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METHODOLOGY FOR NITROGEN ISOTOPE ANALYSIS AT CRREL.(U)  
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## METHODOLOGY FOR NITROGEN ISOTOPE ANALYSIS AT CRREL

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Thomas F. Jenkins and Steven T. Quarry

April 1978



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COLD REGIONS RESEARCH AND ENGINEERING LABORATORY  
HANOVER, NEW HAMPSHIRE

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER Special Report 78-8	2. GOVT ACCESSION NO. (9)	3. RECIPIENT'S CATALOG NUMBER Special rept.
4. TITLE (and Subtitle) METHODOLOGY FOR NITROGEN ISOTOPE ANALYSIS AT CRREL.		5. TYPE OF REPORT & PERIOD COVERED
7. AUTHOR(s) (18) Thomas F. Jenkins and Steven T. Quarry		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS U.S. Army Cold Regions Research and Engineering Laboratory Hanover, N.H. 03755		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Directorate of Civil Works Office, Chief of Engineers Washington, D.C. 20314		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS CWIS 31314
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) (12) 59 p.		12. REPORT DATE (11) Apr 2 1978
		13. NUMBER OF PAGES 58
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Disposal      Nitrogen compounds      Waste water Effluents      Ratios      Water treatment Isotopes      Sampling Laboratories      Surveillance Nitrogen      Test facilities		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report documents the chronology of events and the procedures employed in developing a nitrogen isotope analysis capability at the U.S. Army Cold Regions Research and Engineering Laboratory. Both the instrumental and wet chemistry procedures are reported to enable others interested in the procedures to obtain useful data. The procedures described have resulted in the ability to measure the $^{15}\text{N}/^{14}\text{N}$ ratio to a precision of 0.001 atom %, a value easily within the acceptable range for tracer experiments.		



# PREFACE

This report was prepared by Thomas F. Jenkins, Research Chemist, and Steven T. Quarry, Physical Sciences Technician, of the Earth Sciences Branch, Research Division, U.S. Army Cold Regions Research and Engineering Laboratory (CRREL). The work was conducted under the Nitrogen Transformation in Land Treatment Systems work unit (CWIS 31314), a part of the Corps of Engineers Land Treatment of Wastewater Program, USAED, NE (IAO 78-C-1). The report was technically reviewed by Dr. I.K. Iskandar, CRREL, and Dr. A.P. Edwards, Senior Research Fellow, University of New Hampshire.

The authors would like to acknowledge the technical assistance of Ms. Helen Hare, CRREL, who assisted in the preparation of the manuscript and conducted some of the analyses described. In addition, the authors thank Dr. Iskandar for helpful discussions during the implementation of these procedures.

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## Introduction

Within the Land Treatment Research Program at CRREL, a need developed to accurately document the nitrogen cycle during land application of wastewater. While qualitatively these pathways have been well documented in fundamental research in soil chemistry, the rate constants of these transformations under land application are unknown. A knowledge of these rate constants and their dependence on environmental factors such as soil moisture, temperature, and soil pH is essential if an accurate mathematical model capable of predicting water quality impacts is desired.

In municipal effluents, the nitrogen component of the waste exists in several chemical forms including ammonium ( $\text{NH}_4^+$ ), nitrate ( $\text{NO}_3^-$ ), nitrite ( $\text{NO}_2^-$ ) and organically bound nitrogen. When these effluents are applied to the land, a series of complex interrelated transformations occur. The most important of these is nitrification, a microbiologically mediated process which converts  $\text{NH}_4^+$  to  $\text{NO}_3^-$  through an intermediate  $\text{NO}_2^-$  stage. This is significant since it converts  $\text{NH}_4^+$ , a component relatively immobile in the soil, to  $\text{NO}_3^-$ , a species highly mobile and capable of adversely affecting receiving waters.

A second transformation, termed denitrification, is also important. This process, also microbiologically mediated, converts  $\text{NO}_3^-$  under proper conditions to nitrogen gas through an intermediate nitrous oxide stage. This process is important due to its potential for reducing the nitrate concentration of the waters but is very sensitive to localized environmental factors.

Several other processes such as immobilization, the incorporation of mineral nitrogen in living organisms, and mineralization, the transformation of organic-N to inorganic-N, are considered less significant in land application. Table 1 summarizes these transformations.

Table 1. Summary of nitrogen transformations.

Nitrification	$\text{NH}_4^+ \rightarrow \text{NO}_2^- \rightarrow \text{NO}_3^-$
Denitrification	$\text{NO}_3^- \rightarrow \text{N}_2\text{O} \rightarrow \text{N}_2$
Immobilization	$\text{N (mineral)} \rightarrow \text{N (organic)}$
Mineralization	$\text{N (organic)} \rightarrow \text{NH}_4^+$

In order to determine the rate constants of the most significant transformations under simulated field conditions, a Nuclide isotope ratio mass spectrometer (Nuclide 6-60-RMS) was obtained in February 1977 (Fig. 1). This system included both the mass spectrometer itself and a general purpose gas sample inlet system. While this inlet system was

marginally acceptable for nitrogen analysis, it was designed and used primarily for carbon and oxygen determinations on carbon dioxide gas samples. An optimized design specific for nitrogen analysis was developed and implemented in early summer 1977 (Fig. 2).

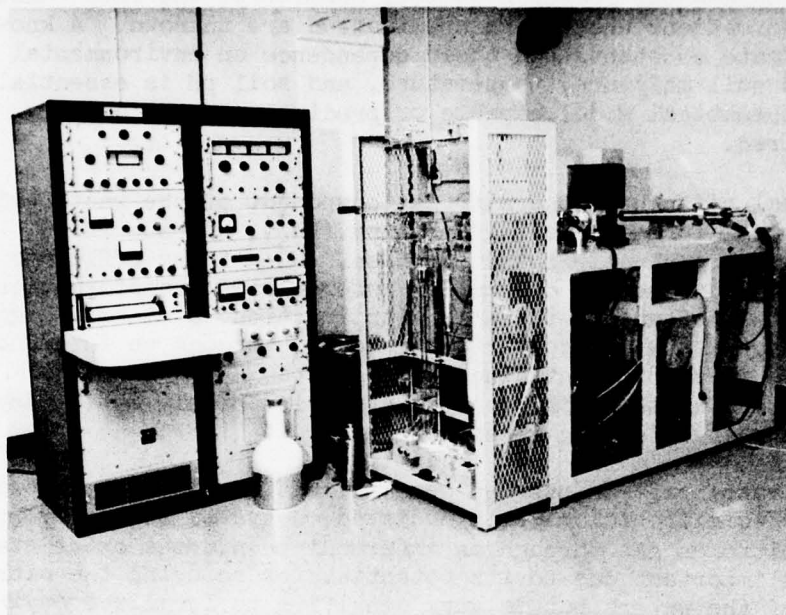


Figure 1. Nuclide isotope ratio mass spectrometer.

Nitrogen isotope analyses of water, soil and plant samples commonly are accomplished by a method developed by Rittenberg (Bremner 1965). This procedure requires the conversion of the nitrogen in a sample to ammonium sulfate in water solution. This solution is then reacted with alkaline sodium hypobromite solution under vacuum, producing nitrogen gas. This gas is then analyzed with mass spectrometry, determining the ratio of mass 28 (nitrogen gas made up of two mass 14 nitrogen atoms) and mass 29 (nitrogen gas made up of one mass 14 atom and one mass 15 atom).

If one is interested in forms of nitrogen other than ammonium, they must first be converted to soluble ammonium sulfate prior to analysis. If analysis of a sample for more than one form of nitrogen is desired, such as ammonium, nitrate and organic-N, sequential conversion to ammonium followed by ammonium removal prior to conversion of the next form of nitrogen to ammonium is required. This is commonly accomplished by distillation of ammonia from the sample into dilute sulfuric acid before generation of ammonium from the next nitrogen containing species. In some cases it is necessary to obtain measurements of various forms on sub-samples and calculate those not obtained directly by difference.

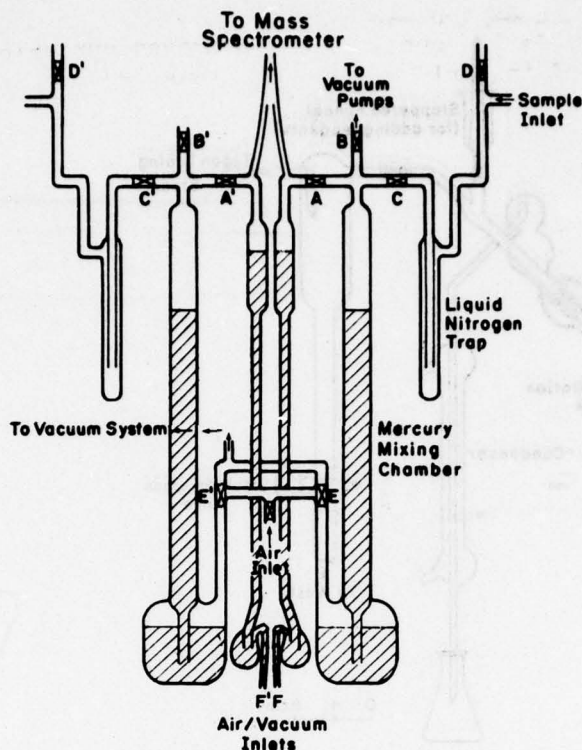


Figure 2. Gas inlet system for nitrogen isotope analysis.

## Methods

### A. Wet Chemistry Preparation of Samples for $^{15}\text{N}$ Analysis

The method employed for extracting and isolating various forms of nitrogen utilizes a steam distillation apparatus as described by Bremner and Edwards (1965), as shown in Figure 3. In principle, the steam distillation method allows removal of  $\text{NH}_4^+$  from a sample at sub-boiling temperatures. By conversion of a desired form of N to  $\text{NH}_4^+$ , and suitable raising of the pH of the sample, the nitrogen from the original form is removed as  $\text{NH}_3$  gas, with the nitrogen isotope ratio preserved. The  $\text{NH}_3$  sample is collected in condensed steam and converted to  $\text{NH}_4^+$  by acidification, which is later condensed to a suitable concentration for analysis on a mass spectrometer. The procedures described here are mainly for aqueous samples, but methods for extraction and distillation of nitrogen from soil and plant samples for  $^{15}\text{N}$  analysis are now being developed.

The system shown in Figure 3 is designed so that 100- and 250-ml Kjeldahl flasks with 19/38 standard taper ground glass joints can be used both as sample preparation containers and distillation chambers.



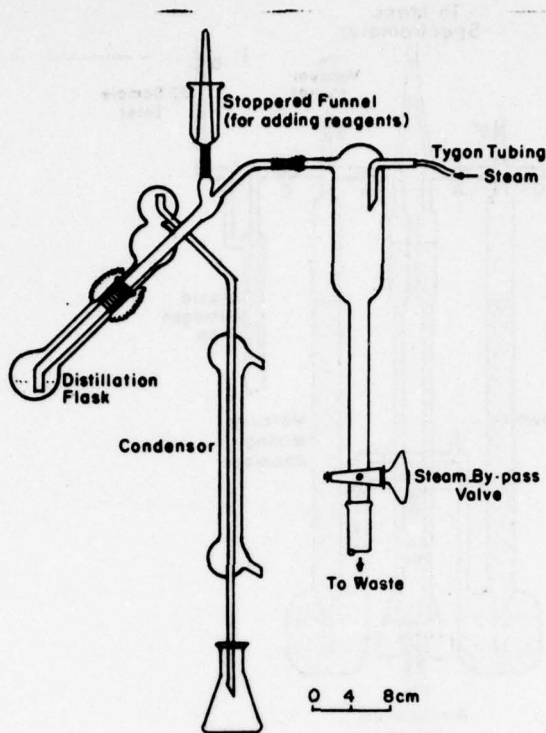


Figure 3. Distillation apparatus for sample preparation.

Thus, the same flask can be used for sample digestion when necessary, and subsequently carried through a series of treatments and distillations for stepwise removal of different forms of nitrogen.

Steam is provided to the assembly by a 5000-ml boiling flask heated by a Glas-Col heating mantle with a Variac transformer power source. Pumice boiling chips are used to promote smooth boiling and 2-3 ml of 1/N  $\text{H}_2\text{SO}_4$  are added to the water to trap any  $\text{NH}_4^+-\text{NH}_3$  present as contaminants. Distillation is started or stopped by respectively closing or opening the steam by-pass tube on the distillation assembly. After a cold start, a clean distillation flask should be fastened to the assembly and about 50 ml of distillate produced, as both a rinse and a warm up.

Distillate is collected in either 50- or 100-ml Erlenmeyer flasks, or, when quantitative measurements are necessary, volumetric flasks. The collection flask should contain about 0.5 ml of 0.1 N  $\text{H}_2\text{SO}_4$  for every 850  $\mu\text{g}$  of ammonia collected in order to insure that the  $\text{NH}_3$  collected remains immobilized in solution as  $\text{NH}_4^+$ . Care should be taken not to over acidify if sample concentrations are to be measured colorimetrically.

## Methods for $\text{NH}_4$ , $\text{NO}_3$ and $\text{NO}_2$ Analysis From Aqueous Samples

### 1. Reagents

a. Magnesium oxide (heavy variety): 0.2 g is needed for each distillation. Mix 10 g in distilled water, dilute to 100 ml, and store in a wash bottle. With shaking, this forms a suspension which can be added to the stoppered funnel at the top of the apparatus (Fig. 3) up to a mark indicating 2 ml. The stopper can be removed and quickly replaced immediately before distillation.

b. Sulfuric acid: 0.1 N

c. Devarda Alloy: ground to pass a 270 mesh sieve

d. Sulfamic acid: dissolve 2 g in 100 ml distilled water.

### 2. Procedure

General - For each distillation, add the appropriate amount of 0.1 N  $\text{H}_2\text{SO}_4$  (0.5 ml per 850  $\mu\text{g}$  of  $\text{NH}_3$ ) to the collection flask. Secure the distillation flask containing a sample to the assembly and commence distillation by closing the steam by-pass valve. When 25 ml of distillate has been collected, stop the distillation by opening the by-pass valve. It is important to achieve a distillation rate of 7-8 ml condensate/min to avoid release of hydrolyzable forms of ammonia, and to insure that the condensate temperature does not exceed  $22^\circ\text{C}$ .

Samples collected must contain at least 100  $\mu\text{g}$   $\text{NH}_4^+\text{-N}$  for direct mass spectrometric analysis, and the concentration should be around 100  $\mu\text{g}/\text{ml}$ . This means that the collected distillate must usually be concentrated by boiling off water. The  $\text{H}_2\text{SO}_4$  added as described to the sample has been found adequate to hold up to  $\frac{1}{2}$  mg  $\text{NH}_4^+\text{-N}$  in solution, and there should be no loss of  $\text{NH}_4$  during boiling. Samples containing less than 100  $\mu\text{g}$  must be identified and treated by the isotope dilution method.

a.  $\text{NH}_4^+$  only. Attach distillation flask containing untreated sample and add  $\text{MgO}$  solution. Start distillation.

b.  $\text{NO}_3^- + \text{NO}_2^-$ . Remove  $\text{NH}_4^+$  from sample as in "a". Remove the flask and add 0.2 g Devarda Alloy to the sample. Immediately replace the flask and start distillation, using a fresh collection flask.

c.  $\text{NO}_3^- + \text{NO}_2^- + \text{NH}_4^+$ . Proceed as in "b" but without having first removed  $\text{NH}_4$ .

d.  $\text{NO}_3^-$  only. Proceed as in "b" but add 1 ml sulfamic acid solution before  $\text{NH}_4^+$  removal. This destroys the  $\text{NO}_2^-$ .

e.  $\text{NO}_2^-$  only. Cannot be extracted alone by this method. Isotope ratio and/or concentration must be inferred by difference of results obtained from procedures "b" and "d."

NOTE: Commercial sulfamic acid is invariably contaminated with ammonia. Unless a special effort is made to purify this reagent, precautions must be taken when using it for  $\text{NO}_2^-$  removal. If the ammonia in the sample is needed for analysis, it should be removed before any sulfamic acid is added, or taken from a separate sub-sample. Likewise, after the addition of sulfamic acid, the sample must again be distilled to remove any contaminant ammonia, before proceeding to the  $\text{NO}_3^-$  distillation.

### 3. Comments

All of the procedures described are modifications of those described by Bremner and Keeney (1965). Analysis of the desired nitrogen forms before distillation determines how much the distilled sample must be concentrated. Otherwise (or as a further check) ammonia values on the distilled samples can be determined spectrophotometrically by Nesslerisation. This eliminates the need for titration and the special precautions necessitated by it.

The reliability of the distillation procedures described has been thoroughly checked at CRREL on standards made from distilled water. 100% extraction of  $\text{NH}_4^+$  and  $\text{NO}_3^-$ - $\text{NO}_2^-$  was achieved in the range of 50-5000  $\mu\text{g}$  (as N), while extraction of 2.5  $\mu\text{g}$  of  $\text{NH}_4^+$  was about 90% efficient.  $\text{NO}_2^-$  suppression by sulfamic acid was complete on samples containing up to 125  $\mu\text{g}$   $\text{NO}_2^-$ -N, and no interference with the other methods was noted (when proper consideration was given to ammonia contamination in the sulfamic acid).

Steam distillation can be used to remove other forms of N and can be applied to many sample types with proper sample preparation. Methods of Soil Analysis, Part 2 (C.A. Black, ed.) describes in Chapters 84-86 many nitrogen extraction methods using steam distillation.

More complete discussions of some of the techniques which can be used are available in sources given in the references.

### B. Analysis

Once the samples are prepared as described above, the Nuclide mass spectrometer is preconditioned as follows. The liquid nitrogen trap for the mercury diffusion pump and the sample-line trap (Fig. 2) are cooled



with liquid nitrogen and evacuated using the roughing pump to a pressure of 20 microns followed by the mercury diffusion pump to 1 micron. Controls for the mass spectrometer are set to the values given in Table 2. Nitrogen gas from a cylinder is directed into the gas inlet portion of the instrument and allowed to enter the mass spectrometer generating an ion source pressure of about  $1 \times 10^{-6}$  torr. This gas is allowed to equilibrate the instrument for 30 minutes prior to the first analysis in order to stabilize the system and desorb gases, such as carbon monoxide and oxygen, from the interior metal surfaces.

Once stable conditions are established, a 1-ml sample of working standard (Fisher Certified Ammonium Sulfate, 360  $\mu\text{g}/\text{ml}$ ) is placed in one arm of a Rittenberg tube (Fig. 4). One milliliter of standard alkaline sodium hypobromite solution (Bremner 1965) is placed in the other arm and the tube is placed on the sample inlet (Fig. 2) of the gas inlet system. The tube is then evacuated to 1 micron using the roughing pump followed by the mercury diffusion pump. The tube is then isolated from the vacuum pumps with stopcock C (Fig. 2) and the solutions in the two arms mixed, generating nitrogen gas. After 10 seconds, stopcock B is closed and stopcock C opened, allowing the gas to expand into the mercury mixing chamber. Stopcock E is then alternately switched from vent to roughing pump thus moving the mercury level up and down the tube. This results in sample mixing and overcomes any small change in isotope composition due to small differences in gas diffusion rate resulting from different molecular weights. After mixing two or three times, stopcock C is closed, stopcock A is opened, and the sample is moved to the small sample inlet column by placing a rubber bulb on the air inlet and pressurizing the mercury reservoir, thus moving the mercury level up the mixing column. When the level has reached the top of the column, stopcock E is closed, thus holding the mercury level at this position. A hand operated vacuum pump is then attached at position F and the mercury column in the small sample inlet column lowered by reducing the pressure in the mercury reservoir. Stopcock A is then closed and the vacuum pump removed, allowing the mercury level to rise in the small sample inlet column. The sample is entering the mass spectrometer at this point and the mercury level in the small sample column is adjusted by utilizing the rubber bulb at position F to obtain an ion source pressure of  $5 \times 10^{-7}$  to  $2 \times 10^{-6}$  torr. After the sample has entered the mass spectrometer for five minutes, a value for the ratio of mass 29 to mass 28 is obtained by changing the controls of the balance panel to obtain a null (zero reading) on collector A set at the 0.1 V position. A balance panel reading of approximately 0.1520 is typical for the working standard. The ion source pressure and voltage on collector B are also recorded.

Once this analysis is complete, the remaining sample is removed by opening stopcocks A and B and evacuating for about 5 minutes. Readings of the balance panel, the ion source pressure and collector B voltage are

Table 2. Settings used during operation of Nuclide mass spectrometer.

Emission Regulator Settings

Ion deflector - off  
Filament current - 530  
Emission current - 030  
Electron accelerating potential - 500  
Repeller to shield - 0  
Trap to shield - 0

Ion Accelerating Potential

Power - on  
Coarse - 970  
Fine - 500

Magnet Regulator

Power - on  
Magnet current coarse N 528  
Magnet current fine N 500

Ion Pump Power Supply

Output voltage - 4.7 kilovolts  
Protect -  $10^{-5}$  torr

Dual Electrometer

Meter A - 3 volts  
Meter B - 30 volts

Balance Panel

Ratio - on  
Input - .0000  
Recorder input - VRE (A)

Gas Valves

Position 1

Control Panel

Source power - on

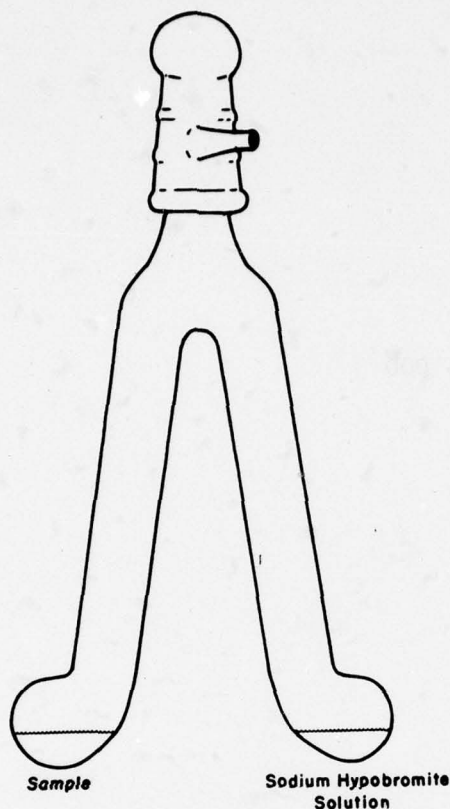


Figure 4. Rittenberg nitrogen gas generating tube.

obtained to be used in background correction when necessary. The first unknown sample to be run is then placed in another Rittenberg tube and handled in an identical manner as described for the working standard. All samples thought to contain at least 100  $\mu\text{g}$  are analyzed as above. Those containing less than 100  $\mu\text{g}$  are diluted with 1 ml of working standard before analysis and the ratio obtained as usual. The true value for the sample is calculated by the isotope dilution method.

Once all samples for a given day are complete, the machine is set to the standby conditions given in Table 3.

#### Calculation of Atom % $^{15}\text{N}$

The atom %  $^{15}\text{N}$  can be calculated from the balance panel results as follows. The balance panel value is divided by 20 to account for the difference in resistors in the A and B collector networks. The resulting



Table 3. Standby settings for Nuclide mass spectrometer.

Emission Regulator

Filament current - 400

Ion Acceleration Potential

Coarse - 000

Power - Off

Magnet Regulator

Magnet current coarse - 000

Power - Off

Ion Pump Power Supply

Protect -  $10^{-5}$  torr

Dual Electrometer

Meter A - 1 volt

Meter B - 1 volt

Balance Panel

Input - .0000

Ratio - Off

Gas Valves

Off

Control Panel

Source power - On

value is the 29 to 28 ratio. To obtain the 28 to 29 ratio ( $R_1$ ) one simply inverts this value. The atom %  $^{15}\text{N}$  can then be obtained from the following formula:

$$\text{Atom \% } ^{15}\text{N} = \frac{100}{2R_1 + 1}$$

A tabulation of all possible values for the balance panel and corresponding atom %  $^{15}\text{N}$  is given in Appendix A.

### Isotope Dilution Method

In those cases where the isotope dilution method is used, the value obtained in the analysis and the value obtained for the working standard as well as the total amounts of each must be used in the following equation to obtain the %  $^{15}\text{N}$  in the sample.

$$\text{Atom } \% ^{15}\text{N obtained} \cdot \text{total } \text{NH}_4^+ =$$

$$\text{Atom } \% ^{15}\text{N std} \cdot \text{amount } \text{NH}_4^+ + \text{Atom } \% ^{15}\text{N unknown} \cdot \text{amount } \text{NH}_4^+ \text{ unknown}$$

Since everything is known except the %  $^{15}\text{N}$  in the unknown, it can be obtained by calculation.

### Quality Control

All isotope values obtained by mass spectrometry are relative values. An absolute determination is not possible due to several factors such as isotope discrimination through the sample inlet, differences in cross-sectional area of the two isotopes, differences in ionization potentials and small differences in fragmentation kinetics. In hydrogen and oxygen analysis, a universally accepted standard (Standard Mean Ocean Water, SMOW) is run and all samples are reported relative to this substance. In nitrogen work, however, no such universal standard has been accepted.

Here at CRREL it was decided to standardize on one particular manufacturer of ammonium sulfate. To this end, samples of several commercially available ammonium sulfate samples were obtained and analyzed. A particular bottle of Fisher Certified, Primary Standard was chosen. A secondary standard of Mallinckrodt ammonium sulfate was also chosen so that a standard difference could be obtained. These standards can be compared to atmospheric nitrogen to obtain a fairly good approximation of an absolute %  $^{15}\text{N}$  value. Atmospheric nitrogen is not used routinely as the working standard since the oxygen must be removed prior to analysis to obtain a precise value.

When any data are reported, an idea of the precision and accuracy of the measurements involved is required before proper interpretation is possible. In the case of isotope measurements, it is reasonable to ask what the precision of each measurement is on a given day and how repeatable are these results from day to day. In an attempt to answer the first point, a series of eight standard samples were run in a manner identical to that used for routine samples. The standard deviation obtained was 0.002 atom %. This value is far better than required to do tracer work and approaching the type of precision needed for natural abundance measurements. As more experience is gained with the equipment, it is felt that improvement in this value is realistically attainable.

The precision of the percent difference measured for the two standards was obtained over a 12-day period. The results indicate an average difference in the ratio of +0.001 for the Mallinckrodt standard relative to the Fisher standard with a standard deviation of 0.001 atom %. Again this result is easily in the acceptable range for tracer studies such as that planned in the land treatment project, and is approaching what is needed to measure natural abundance differences. Only a few measurements of atmospheric nitrogen have been made to date. A value for the actual %  $^{15}\text{N}$  of the Fisher and Mallinckrodt standards will be determined when further atmospheric analyses are completed (0.367 is the accepted value for atmospheric nitrogen; Junk and Svec 1958).



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APPENDIX A

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0001	0.0002	0.2501	0.6214	0.5001	1.2348	0.7501	1.8407
0.0002	0.0005	0.2502	0.6216	0.5002	1.2351	0.7502	1.8410
0.0003	0.0007	0.2503	0.6219	0.5003	1.2353	0.7503	1.8412
0.0004	0.0010	0.2504	0.6221	0.5004	1.2355	0.7504	1.8415
0.0005	0.0012	0.2505	0.6224	0.5005	1.2358	0.7505	1.8417
0.0006	0.0015	0.2506	0.6226	0.5006	1.2360	0.7506	1.8419
0.0007	0.0017	0.2507	0.6228	0.5007	1.2363	0.7507	1.8422
0.0008	0.0020	0.2508	0.6231	0.5008	1.2365	0.7508	1.8424
0.0009	0.0022	0.2509	0.6233	0.5009	1.2368	0.7509	1.8427
0.0010	0.0025	0.2510	0.6236	0.5010	1.2370	0.7510	1.8429
0.0011	0.0027	0.2511	0.6238	0.5011	1.2373	0.7511	1.8431
0.0012	0.0030	0.2512	0.6241	0.5012	1.2375	0.7512	1.8434
0.0013	0.0032	0.2513	0.6243	0.5013	1.2377	0.7513	1.8436
0.0014	0.0035	0.2514	0.6246	0.5014	1.2380	0.7514	1.8439
0.0015	0.0037	0.2515	0.6248	0.5015	1.2382	0.7515	1.8441
0.0016	0.0040	0.2516	0.6251	0.5016	1.2385	0.7516	1.8443
0.0017	0.0042	0.2517	0.6253	0.5017	1.2387	0.7517	1.8446
0.0018	0.0045	0.2518	0.6256	0.5018	1.2390	0.7518	1.8448
0.0019	0.0047	0.2519	0.6258	0.5019	1.2392	0.7519	1.8451
0.0020	0.0050	0.2520	0.6261	0.5020	1.2394	0.7520	1.8453
0.0021	0.0052	0.2521	0.6263	0.5021	1.2397	0.7521	1.8455
0.0022	0.0055	0.2522	0.6265	0.5022	1.2399	0.7522	1.8458
0.0023	0.0057	0.2523	0.6268	0.5023	1.2402	0.7523	1.8460
0.0024	0.0060	0.2524	0.6270	0.5024	1.2404	0.7524	1.8463
0.0025	0.0062	0.2525	0.6273	0.5025	1.2407	0.7525	1.8465
0.0026	0.0065	0.2526	0.6275	0.5026	1.2409	0.7526	1.8468
0.0027	0.0067	0.2527	0.6278	0.5027	1.2412	0.7527	1.8470
0.0028	0.0070	0.2528	0.6280	0.5028	1.2414	0.7528	1.8472
0.0029	0.0072	0.2529	0.6283	0.5029	1.2416	0.7529	1.8475
0.0030	0.0075	0.2530	0.6285	0.5030	1.2419	0.7530	1.8477
0.0031	0.0077	0.2531	0.6288	0.5031	1.2421	0.7531	1.8480
0.0032	0.0080	0.2532	0.6290	0.5032	1.2424	0.7532	1.8482
0.0033	0.0082	0.2533	0.6293	0.5033	1.2426	0.7533	1.8484
0.0034	0.0085	0.2534	0.6295	0.5034	1.2429	0.7534	1.8487
0.0035	0.0087	0.2535	0.6298	0.5035	1.2431	0.7535	1.8489
0.0036	0.0090	0.2536	0.6300	0.5036	1.2433	0.7536	1.8492
0.0037	0.0092	0.2537	0.6303	0.5037	1.2436	0.7537	1.8494
0.0038	0.0095	0.2538	0.6305	0.5038	1.2438	0.7538	1.8496
0.0039	0.0097	0.2539	0.6307	0.5039	1.2441	0.7539	1.8499
0.0040	0.0100	0.2540	0.6310	0.5040	1.2443	0.7540	1.8501
0.0041	0.0102	0.2541	0.6312	0.5041	1.2446	0.7541	1.8504
0.0042	0.0105	0.2542	0.6315	0.5042	1.2448	0.7542	1.8506
0.0043	0.0107	0.2543	0.6317	0.5043	1.2451	0.7543	1.8508
0.0044	0.0110	0.2544	0.6320	0.5044	1.2453	0.7544	1.8511
0.0045	0.0112	0.2545	0.6322	0.5045	1.2455	0.7545	1.8513
0.0046	0.0115	0.2546	0.6325	0.5046	1.2458	0.7546	1.8516
0.0047	0.0117	0.2547	0.6327	0.5047	1.2460	0.7547	1.8518
0.0048	0.0120	0.2548	0.6330	0.5048	1.2463	0.7548	1.8521
0.0049	0.0122	0.2549	0.6332	0.5049	1.2465	0.7549	1.8523
0.0050	0.0125	0.2550	0.6335	0.5050	1.2468	0.7550	1.8525
0.0051	0.0127	0.2551	0.6337	0.5051	1.2470	0.7551	1.8528
0.0052	0.0130	0.2552	0.6340	0.5052	1.2472	0.7552	1.8530
0.0053	0.0132	0.2553	0.6342	0.5053	1.2475	0.7553	1.8533
0.0054	0.0135	0.2554	0.6344	0.5054	1.2477	0.7554	1.8535
0.0055	0.0137	0.2555	0.6347	0.5055	1.2480	0.7555	1.8537
0.0056	0.0140	0.2556	0.6349	0.5056	1.2482	0.7556	1.8540
0.0057	0.0142	0.2557	0.6352	0.5057	1.2485	0.7557	1.8542
0.0058	0.0145	0.2558	0.6354	0.5058	1.2487	0.7558	1.8545
0.0059	0.0147	0.2559	0.6357	0.5059	1.2490	0.7559	1.8547

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0060	0.0150	0.2560	0.6359	0.5060	1.2492	0.7560	1.8549
0.0061	0.0152	0.2561	0.6362	0.5061	1.2494	0.7561	1.8552
0.0062	0.0155	0.2562	0.6364	0.5062	1.2497	0.7562	1.8554
0.0063	0.0157	0.2563	0.6367	0.5063	1.2499	0.7563	1.8557
0.0064	0.0160	0.2564	0.6369	0.5064	1.2502	0.7564	1.8559
0.0065	0.0162	0.2565	0.6372	0.5065	1.2504	0.7565	1.8561
0.0066	0.0165	0.2566	0.6374	0.5066	1.2507	0.7566	1.8564
0.0067	0.0167	0.2567	0.6377	0.5067	1.2509	0.7567	1.8566
0.0068	0.0170	0.2568	0.6379	0.5068	1.2511	0.7568	1.8569
0.0069	0.0172	0.2569	0.6382	0.5069	1.2514	0.7569	1.8571
0.0070	0.0175	0.2570	0.6384	0.5070	1.2516	0.7570	1.8573
0.0071	0.0177	0.2571	0.6386	0.5071	1.2519	0.7571	1.8576
0.0072	0.0180	0.2572	0.6389	0.5072	1.2521	0.7572	1.8578
0.0073	0.0182	0.2573	0.6391	0.5073	1.2524	0.7573	1.8581
0.0074	0.0185	0.2574	0.6394	0.5074	1.2526	0.7574	1.8583
0.0075	0.0187	0.2575	0.6396	0.5075	1.2529	0.7575	1.8586
0.0076	0.0190	0.2576	0.6399	0.5076	1.2531	0.7576	1.8588
0.0077	0.0192	0.2577	0.6401	0.5077	1.2533	0.7577	1.8590
0.0078	0.0195	0.2578	0.6404	0.5078	1.2536	0.7578	1.8593
0.0079	0.0197	0.2579	0.6406	0.5079	1.2538	0.7579	1.8595
0.0080	0.0200	0.2580	0.6409	0.5080	1.2541	0.7580	1.8598
0.0081	0.0202	0.2581	0.6411	0.5081	1.2543	0.7581	1.8600
0.0082	0.0205	0.2582	0.6414	0.5082	1.2546	0.7582	1.8602
0.0083	0.0207	0.2583	0.6416	0.5083	1.2548	0.7583	1.8605
0.0084	0.0210	0.2584	0.6419	0.5084	1.2550	0.7584	1.8607
0.0085	0.0212	0.2585	0.6421	0.5085	1.2553	0.7585	1.8610
0.0086	0.0215	0.2586	0.6423	0.5086	1.2555	0.7586	1.8612
0.0087	0.0217	0.2587	0.6426	0.5087	1.2558	0.7587	1.8614
0.0088	0.0220	0.2588	0.6428	0.5088	1.2560	0.7588	1.8617
0.0089	0.0222	0.2589	0.6431	0.5089	1.2563	0.7589	1.8619
0.0090	0.0225	0.2590	0.6433	0.5090	1.2565	0.7590	1.8622
0.0091	0.0227	0.2591	0.6436	0.5091	1.2568	0.7591	1.8624
0.0092	0.0230	0.2592	0.6438	0.5092	1.2570	0.7592	1.8626
0.0093	0.0232	0.2593	0.6441	0.5093	1.2572	0.7593	1.8629
0.0094	0.0235	0.2594	0.6443	0.5094	1.2575	0.7594	1.8631
0.0095	0.0237	0.2595	0.6446	0.5095	1.2577	0.7595	1.8634
0.0096	0.0240	0.2596	0.6448	0.5096	1.2580	0.7596	1.8636
0.0097	0.0242	0.2597	0.6451	0.5097	1.2582	0.7597	1.8639
0.0098	0.0245	0.2598	0.6453	0.5098	1.2585	0.7598	1.8641
0.0099	0.0247	0.2599	0.6456	0.5099	1.2587	0.7599	1.8643
0.0100	0.0250	0.2600	0.6458	0.5100	1.2589	0.7600	1.8646
0.0101	0.0252	0.2601	0.6460	0.5101	1.2592	0.7601	1.8648
0.0102	0.0255	0.2602	0.6463	0.5102	1.2594	0.7602	1.8651
0.0103	0.0257	0.2603	0.6465	0.5103	1.2597	0.7603	1.8653
0.0104	0.0260	0.2604	0.6468	0.5104	1.2599	0.7604	1.8655
0.0105	0.0262	0.2605	0.6470	0.5105	1.2602	0.7605	1.8658
0.0106	0.0265	0.2606	0.6473	0.5106	1.2604	0.7606	1.8660
0.0107	0.0267	0.2607	0.6475	0.5107	1.2607	0.7607	1.8663
0.0108	0.0270	0.2608	0.6478	0.5108	1.2609	0.7608	1.8665
0.0109	0.0272	0.2609	0.6480	0.5109	1.2611	0.7609	1.8667
0.0110	0.0275	0.2610	0.6483	0.5110	1.2614	0.7610	1.8670
0.0111	0.0277	0.2611	0.6485	0.5111	1.2616	0.7611	1.8672
0.0112	0.0280	0.2612	0.6488	0.5112	1.2619	0.7612	1.8675
0.0113	0.0282	0.2613	0.6490	0.5113	1.2621	0.7613	1.8677
0.0114	0.0285	0.2614	0.6493	0.5114	1.2624	0.7614	1.8679
0.0115	0.0287	0.2615	0.6495	0.5115	1.2626	0.7615	1.8682
0.0116	0.0290	0.2616	0.6498	0.5116	1.2628	0.7616	1.8684
0.0117	0.0292	0.2617	0.6500	0.5117	1.2631	0.7617	1.8687
0.0118	0.0295	0.2618	0.6502	0.5118	1.2633	0.7618	1.8689



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0119	0.0297	0.2619	0.6505	0.5119	1.2636	0.7619	1.8691
0.0120	0.0300	0.2620	0.6507	0.5120	1.2638	0.7620	1.8694
0.0121	0.0302	0.2621	0.6510	0.5121	1.2641	0.7621	1.8696
0.0122	0.0305	0.2622	0.6512	0.5122	1.2643	0.7622	1.8699
0.0123	0.0307	0.2623	0.6515	0.5123	1.2646	0.7623	1.8701
0.0124	0.0310	0.2624	0.6517	0.5124	1.2648	0.7624	1.8704
0.0125	0.0312	0.2625	0.6520	0.5125	1.2650	0.7625	1.8706
0.0126	0.0315	0.2626	0.6522	0.5126	1.2653	0.7626	1.8708
0.0127	0.0317	0.2627	0.6525	0.5127	1.2655	0.7627	1.8711
0.0128	0.0320	0.2628	0.6527	0.5128	1.2658	0.7628	1.8713
0.0129	0.0322	0.2629	0.6530	0.5129	1.2660	0.7629	1.8716
0.0130	0.0325	0.2630	0.6532	0.5130	1.2663	0.7630	1.8718
0.0131	0.0327	0.2631	0.6535	0.5131	1.2665	0.7631	1.8720
0.0132	0.0330	0.2632	0.6537	0.5132	1.2667	0.7632	1.8723
0.0133	0.0332	0.2633	0.6539	0.5133	1.2670	0.7633	1.8725
0.0134	0.0335	0.2634	0.6542	0.5134	1.2672	0.7634	1.8728
0.0135	0.0337	0.2635	0.6544	0.5135	1.2675	0.7635	1.8730
0.0136	0.0340	0.2636	0.6547	0.5136	1.2677	0.7636	1.8732
0.0137	0.0342	0.2637	0.6549	0.5137	1.2680	0.7637	1.8735
0.0138	0.0345	0.2638	0.6552	0.5138	1.2682	0.7638	1.8737
0.0139	0.0347	0.2639	0.6554	0.5139	1.2685	0.7639	1.8740
0.0140	0.0350	0.2640	0.6557	0.5140	1.2687	0.7640	1.8742
0.0141	0.0352	0.2641	0.6559	0.5141	1.2689	0.7641	1.8744
0.0142	0.0355	0.2642	0.6562	0.5142	1.2692	0.7642	1.8747
0.0143	0.0357	0.2643	0.6564	0.5143	1.2694	0.7643	1.8749
0.0144	0.0360	0.2644	0.6567	0.5144	1.2697	0.7644	1.8752
0.0145	0.0362	0.2645	0.6569	0.5145	1.2699	0.7645	1.8754
0.0146	0.0365	0.2646	0.6572	0.5146	1.2702	0.7646	1.8756
0.0147	0.0367	0.2647	0.6574	0.5147	1.2704	0.7647	1.8759
0.0148	0.0370	0.2648	0.6576	0.5148	1.2706	0.7648	1.8761
0.0149	0.0372	0.2649	0.6579	0.5149	1.2709	0.7649	1.8764
0.0150	0.0375	0.2650	0.6581	0.5150	1.2711	0.7650	1.8766
0.0151	0.0377	0.2651	0.6584	0.5151	1.2714	0.7651	1.8769
0.0152	0.0380	0.2652	0.6586	0.5152	1.2716	0.7652	1.8771
0.0153	0.0382	0.2653	0.6589	0.5153	1.2719	0.7653	1.8773
0.0154	0.0385	0.2654	0.6591	0.5154	1.2721	0.7654	1.8776
0.0155	0.0387	0.2655	0.6594	0.5155	1.2724	0.7655	1.8778
0.0156	0.0390	0.2656	0.6596	0.5156	1.2726	0.7656	1.8781
0.0157	0.0392	0.2657	0.6599	0.5157	1.2728	0.7657	1.8783
0.0158	0.0395	0.2658	0.6601	0.5158	1.2731	0.7658	1.8785
0.0159	0.0397	0.2659	0.6604	0.5159	1.2733	0.7659	1.8788
0.0160	0.0400	0.2660	0.6606	0.5160	1.2736	0.7660	1.8790
0.0161	0.0402	0.2661	0.6609	0.5161	1.2738	0.7661	1.8793
0.0162	0.0405	0.2662	0.6611	0.5162	1.2741	0.7662	1.8795
0.0163	0.0407	0.2663	0.6613	0.5163	1.2743	0.7663	1.8797
0.0164	0.0410	0.2664	0.6616	0.5164	1.2745	0.7664	1.8800
0.0165	0.0412	0.2665	0.6618	0.5165	1.2748	0.7665	1.8802
0.0166	0.0415	0.2666	0.6621	0.5166	1.2750	0.7666	1.8805
0.0167	0.0417	0.2667	0.6623	0.5167	1.2753	0.7667	1.8807
0.0168	0.0420	0.2668	0.6626	0.5168	1.2755	0.7668	1.8809
0.0169	0.0422	0.2669	0.6628	0.5169	1.2758	0.7669	1.8812
0.0170	0.0425	0.2670	0.6631	0.5170	1.2760	0.7670	1.8814
0.0171	0.0427	0.2671	0.6633	0.5171	1.2763	0.7671	1.8817
0.0172	0.0430	0.2672	0.6636	0.5172	1.2765	0.7672	1.8819
0.0173	0.0432	0.2673	0.6638	0.5173	1.2767	0.7673	1.8821
0.0174	0.0435	0.2674	0.6641	0.5174	1.2770	0.7674	1.8824
0.0175	0.0437	0.2675	0.6643	0.5175	1.2772	0.7675	1.8826
0.0176	0.0440	0.2676	0.6646	0.5176	1.2775	0.7676	1.8829
0.0177	0.0442	0.2677	0.6648	0.5177	1.2777	0.7677	1.8831

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0178	0.0445	0.2678	0.6650	0.5176	1.2780	0.7678	1.8833
0.0179	0.0447	0.2679	0.6653	0.5179	1.2782	0.7679	1.8836
0.0180	0.0450	0.2680	0.6655	0.5180	1.2784	0.7680	1.8838
0.0181	0.0452	0.2681	0.6658	0.5181	1.2787	0.7681	1.8841
0.0182	0.0455	0.2682	0.6660	0.5182	1.2789	0.7682	1.8843
0.0183	0.0457	0.2683	0.6663	0.5183	1.2792	0.7683	1.8846
0.0184	0.0460	0.2684	0.6665	0.5184	1.2794	0.7684	1.8848
0.0185	0.0462	0.2685	0.6668	0.5185	1.2797	0.7685	1.8850
0.0186	0.0465	0.2686	0.6670	0.5186	1.2799	0.7686	1.8853
0.0187	0.0467	0.2687	0.6673	0.5187	1.2801	0.7687	1.8855
0.0188	0.0470	0.2688	0.6675	0.5188	1.2804	0.7688	1.8858
0.0189	0.0472	0.2689	0.6678	0.5189	1.2806	0.7689	1.8860
0.0190	0.0475	0.2690	0.6680	0.5190	1.2809	0.7690	1.8862
0.0191	0.0477	0.2691	0.6683	0.5191	1.2811	0.7691	1.8865
0.0192	0.0480	0.2692	0.6685	0.5192	1.2814	0.7692	1.8867
0.0193	0.0482	0.2693	0.6687	0.5193	1.2816	0.7693	1.8870
0.0194	0.0485	0.2694	0.6690	0.5194	1.2819	0.7694	1.8872
0.0195	0.0487	0.2695	0.6692	0.5195	1.2821	0.7695	1.8874
0.0196	0.0490	0.2696	0.6695	0.5196	1.2823	0.7696	1.8877
0.0197	0.0492	0.2697	0.6697	0.5197	1.2826	0.7697	1.8879
0.0198	0.0495	0.2698	0.6700	0.5198	1.2828	0.7698	1.8882
0.0199	0.0497	0.2699	0.6702	0.5199	1.2831	0.7699	1.8884
0.0200	0.0500	0.2700	0.6705	0.5200	1.2833	0.7700	1.8886
0.0201	0.0502	0.2701	0.6707	0.5201	1.2836	0.7701	1.8889
0.0202	0.0505	0.2702	0.6710	0.5202	1.2838	0.7702	1.8891
0.0203	0.0507	0.2703	0.6712	0.5203	1.2840	0.7703	1.8894
0.0204	0.0510	0.2704	0.6715	0.5204	1.2843	0.7704	1.8896
0.0205	0.0512	0.2705	0.6717	0.5205	1.2845	0.7705	1.8898
0.0206	0.0515	0.2706	0.6720	0.5206	1.2848	0.7706	1.8901
0.0207	0.0517	0.2707	0.6722	0.5207	1.2850	0.7707	1.8903
0.0208	0.0520	0.2708	0.6724	0.5208	1.2853	0.7708	1.8906
0.0209	0.0522	0.2709	0.6727	0.5209	1.2855	0.7709	1.8908
0.0210	0.0525	0.2710	0.6729	0.5210	1.2858	0.7710	1.8910
0.0211	0.0527	0.2711	0.6732	0.5211	1.2860	0.7711	1.8913
0.0212	0.0530	0.2712	0.6734	0.5212	1.2862	0.7712	1.8915
0.0213	0.0532	0.2713	0.6737	0.5213	1.2865	0.7713	1.8918
0.0214	0.0535	0.2714	0.6739	0.5214	1.2867	0.7714	1.8920
0.0215	0.0537	0.2715	0.6742	0.5215	1.2870	0.7715	1.8923
0.0216	0.0540	0.2716	0.6744	0.5216	1.2872	0.7716	1.8925
0.0217	0.0542	0.2717	0.6747	0.5217	1.2875	0.7717	1.8927
0.0218	0.0545	0.2718	0.6749	0.5218	1.2877	0.7718	1.8930
0.0219	0.0547	0.2719	0.6752	0.5219	1.2879	0.7719	1.8932
0.0220	0.0550	0.2720	0.6754	0.5220	1.2882	0.7720	1.8935
0.0221	0.0552	0.2721	0.6757	0.5221	1.2884	0.7721	1.8937
0.0222	0.0555	0.2722	0.6759	0.5222	1.2887	0.7722	1.8939
0.0223	0.0557	0.2723	0.6761	0.5223	1.2889	0.7723	1.8942
0.0224	0.0560	0.2724	0.6764	0.5224	1.2892	0.7724	1.8944
0.0225	0.0562	0.2725	0.6766	0.5225	1.2894	0.7725	1.8947
0.0226	0.0565	0.2726	0.6769	0.5226	1.2897	0.7726	1.8949
0.0227	0.0567	0.2727	0.6771	0.5227	1.2899	0.7727	1.8951
0.0228	0.0570	0.2728	0.6774	0.5228	1.2901	0.7728	1.8954
0.0229	0.0572	0.2729	0.6776	0.5229	1.2904	0.7729	1.8956
0.0230	0.0575	0.2730	0.6779	0.5230	1.2906	0.7730	1.8959
0.0231	0.0577	0.2731	0.6781	0.5231	1.2909	0.7731	1.8961
0.0232	0.0580	0.2732	0.6784	0.5232	1.2911	0.7732	1.8963
0.0233	0.0582	0.2733	0.6786	0.5233	1.2914	0.7733	1.8966
0.0234	0.0585	0.2734	0.6789	0.5234	1.2916	0.7734	1.8968
0.0235	0.0587	0.2735	0.6791	0.5235	1.2918	0.7735	1.8971
0.0236	0.0590	0.2736	0.6794	0.5236	1.2921	0.7736	1.8973

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0237	0.0592	0.2737	0.6796	0.5237	1.2923	0.7737	1.8975
0.0238	0.0595	0.2738	0.6798	0.5238	1.2926	0.7738	1.8978
0.0239	0.0597	0.2739	0.6801	0.5239	1.2928	0.7739	1.8980
0.0240	0.0600	0.2740	0.6803	0.5240	1.2931	0.7740	1.8983
0.0241	0.0602	0.2741	0.6806	0.5241	1.2933	0.7741	1.8985
0.0242	0.0605	0.2742	0.6808	0.5242	1.2935	0.7742	1.8987
0.0243	0.0607	0.2743	0.6811	0.5243	1.2938	0.7743	1.8989
0.0244	0.0610	0.2744	0.6813	0.5244	1.2940	0.7744	1.8992
0.0245	0.0612	0.2745	0.6816	0.5245	1.2943	0.7745	1.8995
0.0246	0.0615	0.2746	0.6818	0.5246	1.2945	0.7746	1.8997
0.0247	0.0617	0.2747	0.6821	0.5247	1.2948	0.7747	1.8999
0.0248	0.0620	0.2748	0.6823	0.5248	1.2950	0.7748	1.9002
0.0249	0.0622	0.2749	0.6826	0.5249	1.2953	0.7749	1.9004
0.0250	0.0625	0.2750	0.6828	0.5250	1.2955	0.7750	1.9007
0.0251	0.0627	0.2751	0.6831	0.5251	1.2957	0.7751	1.9009
0.0252	0.0630	0.2752	0.6833	0.5252	1.2960	0.7752	1.9012
0.0253	0.0632	0.2753	0.6835	0.5253	1.2962	0.7753	1.9014
0.0254	0.0635	0.2754	0.6838	0.5254	1.2965	0.7754	1.9016
0.0255	0.0637	0.2755	0.6840	0.5255	1.2967	0.7755	1.9019
0.0256	0.0640	0.2756	0.6843	0.5256	1.2970	0.7756	1.9021
0.0257	0.0642	0.2757	0.6845	0.5257	1.2972	0.7757	1.9024
0.0258	0.0645	0.2758	0.6848	0.5258	1.2974	0.7758	1.9026
0.0259	0.0647	0.2759	0.6850	0.5259	1.2977	0.7759	1.9028
0.0260	0.0650	0.2760	0.6853	0.5260	1.2979	0.7760	1.9031
0.0261	0.0652	0.2761	0.6855	0.5261	1.2982	0.7761	1.9033
0.0262	0.0655	0.2762	0.6858	0.5262	1.2984	0.7762	1.9036
0.0263	0.0657	0.2763	0.6860	0.5263	1.2987	0.7763	1.9038
0.0264	0.0660	0.2764	0.6863	0.5264	1.2989	0.7764	1.9040
0.0265	0.0662	0.2765	0.6865	0.5265	1.2991	0.7765	1.9043
0.0266	0.0665	0.2766	0.6868	0.5266	1.2994	0.7766	1.9045
0.0267	0.0667	0.2767	0.6870	0.5267	1.2996	0.7767	1.9048
0.0268	0.0670	0.2768	0.6872	0.5268	1.2999	0.7768	1.9050
0.0269	0.0672	0.2769	0.6875	0.5269	1.3001	0.7769	1.9052
0.0270	0.0675	0.2770	0.6877	0.5270	1.3004	0.7770	1.9055
0.0271	0.0677	0.2771	0.6880	0.5271	1.3006	0.7771	1.9057
0.0272	0.0680	0.2772	0.6882	0.5272	1.3009	0.7772	1.9060
0.0273	0.0682	0.2773	0.6885	0.5273	1.3011	0.7773	1.9062
0.0274	0.0685	0.2774	0.6887	0.5274	1.3013	0.7774	1.9064
0.0275	0.0687	0.2775	0.6890	0.5275	1.3016	0.7775	1.9067
0.0276	0.0690	0.2776	0.6892	0.5276	1.3018	0.7776	1.9069
0.0277	0.0692	0.2777	0.6895	0.5277	1.3021	0.7777	1.9072
0.0278	0.0695	0.2778	0.6897	0.5278	1.3023	0.7778	1.9074
0.0279	0.0697	0.2779	0.6900	0.5279	1.3026	0.7779	1.9077
0.0280	0.0700	0.2780	0.6902	0.5280	1.3028	0.7780	1.9079
0.0281	0.0702	0.2781	0.6904	0.5281	1.3030	0.7781	1.9081
0.0282	0.0705	0.2782	0.6907	0.5282	1.3033	0.7782	1.9084
0.0283	0.0707	0.2783	0.6909	0.5283	1.3035	0.7783	1.9086
0.0284	0.0709	0.2784	0.6912	0.5284	1.3038	0.7784	1.9089
0.0285	0.0712	0.2785	0.6914	0.5285	1.3040	0.7785	1.9091
0.0286	0.0714	0.2786	0.6917	0.5286	1.3043	0.7786	1.9093
0.0287	0.0717	0.2787	0.6919	0.5287	1.3045	0.7787	1.9096
0.0288	0.0719	0.2788	0.6922	0.5288	1.3048	0.7788	1.9098
0.0289	0.0722	0.2789	0.6924	0.5289	1.3050	0.7789	1.9101
0.0290	0.0724	0.2790	0.6927	0.5290	1.3052	0.7790	1.9103
0.0291	0.0727	0.2791	0.6929	0.5291	1.3055	0.7791	1.9105
0.0292	0.0729	0.2792	0.6932	0.5292	1.3057	0.7792	1.9108
0.0293	0.0732	0.2793	0.6934	0.5293	1.3060	0.7793	1.9110
0.0294	0.0734	0.2794	0.6937	0.5294	1.3062	0.7794	1.9113
0.0295	0.0737	0.2795	0.6939	0.5295	1.3065	0.7795	1.9115



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0296	0.0739	0.2796	0.6941	0.5296	1.3067	0.7796	1.9117
0.0297	0.0742	0.2797	0.6944	0.5297	1.3069	0.7797	1.9120
0.0298	0.0744	0.2798	0.6946	0.5298	1.3072	0.7798	1.9122
0.0299	0.0747	0.2799	0.6949	0.5299	1.3074	0.7799	1.9125
0.0300	0.0749	0.2800	0.6951	0.5300	1.3077	0.7800	1.9127
0.0301	0.0752	0.2801	0.6954	0.5301	1.3079	0.7801	1.9129
0.0302	0.0754	0.2802	0.6956	0.5302	1.3082	0.7802	1.9132
0.0303	0.0757	0.2803	0.6959	0.5303	1.3084	0.7803	1.9134
0.0304	0.0759	0.2804	0.6961	0.5304	1.3086	0.7804	1.9137
0.0305	0.0762	0.2805	0.6964	0.5305	1.3089	0.7805	1.9139
0.0306	0.0764	0.2806	0.6966	0.5306	1.3091	0.7806	1.9141
0.0307	0.0767	0.2807	0.6969	0.5307	1.3094	0.7807	1.9144
0.0308	0.0769	0.2808	0.6971	0.5308	1.3096	0.7808	1.9146
0.0309	0.0772	0.2809	0.6974	0.5309	1.3099	0.7809	1.9149
0.0310	0.0774	0.2810	0.6976	0.5310	1.3101	0.7810	1.9151
0.0311	0.0777	0.2811	0.6978	0.5311	1.3104	0.7811	1.9153
0.0312	0.0779	0.2812	0.6981	0.5312	1.3106	0.7812	1.9156
0.0313	0.0782	0.2813	0.6983	0.5313	1.3108	0.7813	1.9158
0.0314	0.0784	0.2814	0.6986	0.5314	1.3111	0.7814	1.9161
0.0315	0.0787	0.2815	0.6988	0.5315	1.3113	0.7815	1.9163
0.0316	0.0789	0.2816	0.6991	0.5316	1.3116	0.7816	1.9166
0.0317	0.0792	0.2817	0.6993	0.5317	1.3118	0.7817	1.9168
0.0318	0.0794	0.2818	0.6996	0.5318	1.3121	0.7818	1.9170
0.0319	0.0797	0.2819	0.6998	0.5319	1.3123	0.7819	1.9173
0.0320	0.0799	0.2820	0.7001	0.5320	1.3125	0.7820	1.9175
0.0321	0.0802	0.2821	0.7003	0.5321	1.3128	0.7821	1.9178
0.0322	0.0804	0.2822	0.7006	0.5322	1.3130	0.7822	1.9180
0.0323	0.0807	0.2823	0.7008	0.5323	1.3133	0.7823	1.9182
0.0324	0.0809	0.2824	0.7011	0.5324	1.3135	0.7824	1.9185
0.0325	0.0812	0.2825	0.7013	0.5325	1.3138	0.7825	1.9187
0.0326	0.0814	0.2826	0.7015	0.5326	1.3140	0.7826	1.9190
0.0327	0.0817	0.2827	0.7018	0.5327	1.3142	0.7827	1.9192
0.0328	0.0819	0.2828	0.7020	0.5328	1.3145	0.7828	1.9194
0.0329	0.0822	0.2829	0.7023	0.5329	1.3147	0.7829	1.9197
0.0330	0.0824	0.2830	0.7025	0.5330	1.3150	0.7830	1.9199
0.0331	0.0827	0.2831	0.7028	0.5331	1.3152	0.7831	1.9202
0.0332	0.0829	0.2832	0.7030	0.5332	1.3155	0.7832	1.9204
0.0333	0.0832	0.2833	0.7033	0.5333	1.3157	0.7833	1.9206
0.0334	0.0834	0.2834	0.7035	0.5334	1.3160	0.7834	1.9209
0.0335	0.0837	0.2835	0.7038	0.5335	1.3162	0.7835	1.9211
0.0336	0.0839	0.2836	0.7040	0.5336	1.3164	0.7836	1.9214
0.0337	0.0842	0.2837	0.7043	0.5337	1.3167	0.7837	1.9216
0.0338	0.0844	0.2838	0.7045	0.5338	1.3169	0.7838	1.9218
0.0339	0.0847	0.2839	0.7047	0.5339	1.3172	0.7839	1.9221
0.0340	0.0849	0.2840	0.7050	0.5340	1.3174	0.7840	1.9223
0.0341	0.0852	0.2841	0.7052	0.5341	1.3177	0.7841	1.9226
0.0342	0.0854	0.2842	0.7055	0.5342	1.3179	0.7842	1.9228
0.0343	0.0857	0.2843	0.7057	0.5343	1.3181	0.7843	1.9230
0.0344	0.0859	0.2844	0.7060	0.5344	1.3184	0.7844	1.9233
0.0345	0.0862	0.2845	0.7062	0.5345	1.3186	0.7845	1.9235
0.0346	0.0864	0.2846	0.7065	0.5346	1.3189	0.7846	1.9238
0.0347	0.0867	0.2847	0.7067	0.5347	1.3191	0.7847	1.9240
0.0348	0.0869	0.2848	0.7070	0.5348	1.3194	0.7848	1.9242
0.0349	0.0872	0.2849	0.7072	0.5349	1.3196	0.7849	1.9245
0.0350	0.0874	0.2850	0.7075	0.5350	1.3198	0.7850	1.9247
0.0351	0.0877	0.2851	0.7077	0.5351	1.3201	0.7851	1.9250
0.0352	0.0879	0.2852	0.7080	0.5352	1.3203	0.7852	1.9252
0.0353	0.0882	0.2853	0.7082	0.5353	1.3206	0.7853	1.9254
0.0354	0.0884	0.2854	0.7084	0.5354	1.3208	0.7854	1.9257

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0355	0.0887	0.2855	0.7087	0.5355	1.3211	0.7855	1.9259
0.0356	0.0889	0.2856	0.7089	0.5356	1.3213	0.7856	1.9262
0.0357	0.0892	0.2857	0.7092	0.5357	1.3216	0.7857	1.9264
0.0358	0.0894	0.2858	0.7094	0.5358	1.3218	0.7858	1.9267
0.0359	0.0897	0.2859	0.7097	0.5359	1.3220	0.7859	1.9269
0.0360	0.0899	0.2860	0.7099	0.5360	1.3223	0.7860	1.9271
0.0361	0.0902	0.2861	0.7102	0.5361	1.3225	0.7861	1.9274
0.0362	0.0904	0.2862	0.7104	0.5362	1.3228	0.7862	1.9276
0.0363	0.0907	0.2863	0.7107	0.5363	1.3230	0.7863	1.9279
0.0364	0.0909	0.2864	0.7109	0.5364	1.3233	0.7864	1.9281
0.0365	0.0912	0.2865	0.7112	0.5365	1.3235	0.7865	1.9283
0.0366	0.0914	0.2866	0.7114	0.5366	1.3237	0.7866	1.9286
0.0367	0.0917	0.2867	0.7116	0.5367	1.3240	0.7867	1.9288
0.0368	0.0919	0.2868	0.7119	0.5368	1.3242	0.7868	1.9291
0.0369	0.0922	0.2869	0.7121	0.5369	1.3245	0.7869	1.9293
0.0370	0.0924	0.2870	0.7124	0.5370	1.3247	0.7870	1.9295
0.0371	0.0927	0.2871	0.7126	0.5371	1.3250	0.7871	1.9298
0.0372	0.0929	0.2872	0.7129	0.5372	1.3252	0.7872	1.9300
0.0373	0.0932	0.2873	0.7131	0.5373	1.3254	0.7873	1.9303
0.0374	0.0934	0.2874	0.7134	0.5374	1.3257	0.7874	1.9305
0.0375	0.0937	0.2875	0.7136	0.5375	1.3259	0.7875	1.9307
0.0376	0.0939	0.2876	0.7139	0.5376	1.3262	0.7876	1.9310
0.0377	0.0942	0.2877	0.7141	0.5377	1.3264	0.7877	1.9312
0.0378	0.0944	0.2878	0.7144	0.5378	1.3267	0.7878	1.9315
0.0379	0.0947	0.2879	0.7146	0.5379	1.3269	0.7879	1.9317
0.0380	0.0949	0.2880	0.7149	0.5380	1.3271	0.7880	1.9319
0.0381	0.0952	0.2881	0.7151	0.5381	1.3274	0.7881	1.9322
0.0382	0.0954	0.2882	0.7153	0.5382	1.3276	0.7882	1.9324
0.0383	0.0957	0.2883	0.7156	0.5383	1.3279	0.7883	1.9327
0.0384	0.0959	0.2884	0.7158	0.5384	1.3281	0.7884	1.9329
0.0385	0.0962	0.2885	0.7161	0.5385	1.3284	0.7885	1.9331
0.0386	0.0964	0.2886	0.7163	0.5386	1.3286	0.7886	1.9334
0.0387	0.0967	0.2887	0.7166	0.5387	1.3289	0.7887	1.9336
0.0388	0.0969	0.2888	0.7168	0.5388	1.3291	0.7888	1.9339
0.0389	0.0972	0.2889	0.7171	0.5389	1.3293	0.7889	1.9341
0.0390	0.0974	0.2890	0.7173	0.5390	1.3296	0.7890	1.9343
0.0391	0.0977	0.2891	0.7176	0.5391	1.3298	0.7891	1.9346
0.0392	0.0979	0.2892	0.7178	0.5392	1.3301	0.7892	1.9348
0.0393	0.0982	0.2893	0.7181	0.5393	1.3303	0.7893	1.9351
0.0394	0.0984	0.2894	0.7183	0.5394	1.3306	0.7894	1.9353
0.0395	0.0987	0.2895	0.7185	0.5395	1.3308	0.7895	1.9355
0.0396	0.0989	0.2896	0.7188	0.5396	1.3312	0.7896	1.9358
0.0397	0.0992	0.2897	0.7190	0.5397	1.3313	0.7897	1.9360
0.0398	0.0994	0.2898	0.7193	0.5398	1.3315	0.7898	1.9363
0.0399	0.0997	0.2899	0.7195	0.5399	1.3318	0.7899	1.9365
0.0400	0.0999	0.2900	0.7198	0.5400	1.3320	0.7900	1.9367
0.0401	0.1001	0.2901	0.7200	0.5401	1.3323	0.7901	1.9370
0.0402	0.1004	0.2902	0.7203	0.5402	1.3325	0.7902	1.9372
0.0403	0.1006	0.2903	0.7205	0.5403	1.3327	0.7903	1.9375
0.0404	0.1009	0.2904	0.7208	0.5404	1.3330	0.7904	1.9377
0.0405	0.1011	0.2905	0.7210	0.5405	1.3332	0.7905	1.9380
0.0406	0.1014	0.2906	0.7213	0.5406	1.3335	0.7906	1.9382
0.0407	0.1016	0.2907	0.7215	0.5407	1.3337	0.7907	1.9384
0.0408	0.1019	0.2908	0.7218	0.5408	1.3340	0.7908	1.9387
0.0409	0.1021	0.2909	0.7220	0.5409	1.3342	0.7909	1.9389
0.0410	0.1024	0.2910	0.7222	0.5410	1.3345	0.7910	1.9392
0.0411	0.1026	0.2911	0.7225	0.5411	1.3347	0.7911	1.9394
0.0412	0.1029	0.2912	0.7227	0.5412	1.3349	0.7912	1.9396
0.0413	0.1031	0.2913	0.7230	0.5413	1.3352	0.7913	1.9399

RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.0414	0.1034	0.2914	0.7232	0.5414	1.3354	0.7914	1.9401
0.0415	0.1036	0.2915	0.7235	0.5415	1.3357	0.7915	1.9404
0.0416	0.1039	0.2916	0.7237	0.5416	1.3359	0.7916	1.9406
0.0417	0.1041	0.2917	0.7240	0.5417	1.3362	0.7917	1.9408
0.0418	0.1044	0.2918	0.7242	0.5418	1.3364	0.7918	1.9411
0.0419	0.1046	0.2919	0.7245	0.5419	1.3366	0.7919	1.9413
0.0420	0.1049	0.2920	0.7247	0.5420	1.3369	0.7920	1.9416
0.0421	0.1051	0.2921	0.7250	0.5421	1.3371	0.7921	1.9418
0.0422	0.1054	0.2922	0.7252	0.5422	1.3374	0.7922	1.9420
0.0423	0.1056	0.2923	0.7254	0.5423	1.3376	0.7923	1.9423
0.0424	0.1059	0.2924	0.7257	0.5424	1.3379	0.7924	1.9425
0.0425	0.1061	0.2925	0.7259	0.5425	1.3381	0.7925	1.9428
0.0426	0.1064	0.2926	0.7262	0.5426	1.3383	0.7926	1.9430
0.0427	0.1066	0.2927	0.7264	0.5427	1.3386	0.7927	1.9432
0.0428	0.1069	0.2928	0.7267	0.5428	1.3388	0.7928	1.9435
0.0429	0.1071	0.2929	0.7269	0.5429	1.3391	0.7929	1.9437
0.0430	0.1074	0.2930	0.7272	0.5430	1.3393	0.7930	1.9440
0.0431	0.1076	0.2931	0.7274	0.5431	1.3396	0.7931	1.9442
0.0432	0.1079	0.2932	0.7277	0.5432	1.3398	0.7932	1.9444
0.0433	0.1081	0.2933	0.7279	0.5433	1.3400	0.7933	1.9447
0.0434	0.1084	0.2934	0.7282	0.5434	1.3403	0.7934	1.9449
0.0435	0.1086	0.2935	0.7284	0.5435	1.3405	0.7935	1.9452
0.0436	0.1089	0.2936	0.7287	0.5436	1.3408	0.7936	1.9454
0.0437	0.1091	0.2937	0.7289	0.5437	1.3410	0.7937	1.9456
0.0438	0.1094	0.2938	0.7291	0.5438	1.3413	0.7938	1.9459
0.0439	0.1096	0.2939	0.7294	0.5439	1.3415	0.7939	1.9461
0.0440	0.1099	0.2940	0.7296	0.5440	1.3418	0.7940	1.9464
0.0441	0.1101	0.2941	0.7299	0.5441	1.3420	0.7941	1.9466
0.0442	0.1104	0.2942	0.7301	0.5442	1.3422	0.7942	1.9468
0.0443	0.1106	0.2943	0.7304	0.5443	1.3425	0.7943	1.9471
0.0444	0.1109	0.2944	0.7306	0.5444	1.3427	0.7944	1.9473
0.0445	0.1111	0.2945	0.7309	0.5445	1.3430	0.7945	1.9476
0.0446	0.1114	0.2946	0.7311	0.5446	1.3432	0.7946	1.9478
0.0447	0.1116	0.2947	0.7314	0.5447	1.3435	0.7947	1.9480
0.0448	0.1119	0.2948	0.7316	0.5448	1.3437	0.7948	1.9483
0.0449	0.1121	0.2949	0.7319	0.5449	1.3439	0.7949	1.9485
0.0450	0.1124	0.2950	0.7321	0.5450	1.3442	0.7950	1.9488
0.0451	0.1126	0.2951	0.7323	0.5451	1.3444	0.7951	1.9490
0.0452	0.1129	0.2952	0.7326	0.5452	1.3447	0.7952	1.9492
0.0453	0.1131	0.2953	0.7328	0.5453	1.3449	0.7953	1.9495
0.0454	0.1134	0.2954	0.7331	0.5454	1.3452	0.7954	1.9497
0.0455	0.1136	0.2955	0.7333	0.5455	1.3454	0.7955	1.9500
0.0456	0.1139	0.2956	0.7336	0.5456	1.3456	0.7956	1.9502
0.0457	0.1141	0.2957	0.7338	0.5457	1.3459	0.7957	1.9505
0.0458	0.1144	0.2958	0.7341	0.5458	1.3461	0.7958	1.9507
0.0459	0.1146	0.2959	0.7343	0.5459	1.3464	0.7959	1.9509
0.0460	0.1149	0.2960	0.7346	0.5460	1.3466	0.7960	1.9512
0.0461	0.1151	0.2961	0.7348	0.5461	1.3469	0.7961	1.9514
0.0462	0.1154	0.2962	0.7351	0.5462	1.3471	0.7962	1.9517
0.0463	0.1156	0.2963	0.7353	0.5463	1.3473	0.7963	1.9519
0.0464	0.1159	0.2964	0.7355	0.5464	1.3476	0.7964	1.9521
0.0465	0.1161	0.2965	0.7358	0.5465	1.3478	0.7965	1.9524
0.0466	0.1164	0.2966	0.7360	0.5466	1.3481	0.7966	1.9526
0.0467	0.1166	0.2967	0.7363	0.5467	1.3483	0.7967	1.9529
0.0468	0.1169	0.2968	0.7365	0.5468	1.3486	0.7968	1.9531
0.0469	0.1171	0.2969	0.7368	0.5469	1.3488	0.7969	1.9533
0.0470	0.1174	0.2970	0.7370	0.5470	1.3491	0.7970	1.9536
0.0471	0.1176	0.2971	0.7373	0.5471	1.3493	0.7971	1.9538
0.0472	0.1179	0.2972	0.7375	0.5472	1.3495	0.7972	1.9541



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0473	0.1181	0.2973	0.7378	0.5473	1.3498	0.7973	1.9543
0.0474	0.1184	0.2974	0.7380	0.5474	1.3500	0.7974	1.9545
0.0475	0.1186	0.2975	0.7383	0.5475	1.3503	0.7975	1.9548
0.0476	0.1189	0.2976	0.7385	0.5476	1.3505	0.7976	1.9550
0.0477	0.1191	0.2977	0.7388	0.5477	1.3508	0.7977	1.9553
0.0478	0.1194	0.2978	0.7390	0.5478	1.3510	0.7978	1.9555
0.0479	0.1196	0.2979	0.7392	0.5479	1.3512	0.7979	1.9557
0.0480	0.1199	0.2980	0.7395	0.5480	1.3515	0.7980	1.9560
0.0481	0.1201	0.2981	0.7397	0.5481	1.3517	0.7981	1.9562
0.0482	0.1204	0.2982	0.7400	0.5482	1.3520	0.7982	1.9565
0.0483	0.1206	0.2983	0.7402	0.5483	1.3522	0.7983	1.9567
0.0484	0.1209	0.2984	0.7405	0.5484	1.3525	0.7984	1.9569
0.0485	0.1211	0.2985	0.7407	0.5485	1.3527	0.7985	1.9572
0.0486	0.1214	0.2986	0.7410	0.5486	1.3529	0.7986	1.9574
0.0487	0.1216	0.2987	0.7412	0.5487	1.3532	0.7987	1.9577
0.0488	0.1219	0.2988	0.7415	0.5488	1.3534	0.7988	1.9579
0.0489	0.1221	0.2989	0.7417	0.5489	1.3537	0.7989	1.9581
0.0490	0.1224	0.2990	0.7420	0.5490	1.3539	0.7990	1.9584
0.0491	0.1226	0.2991	0.7422	0.5491	1.3542	0.7991	1.9586
0.0492	0.1228	0.2992	0.7424	0.5492	1.3544	0.7992	1.9589
0.0493	0.1231	0.2993	0.7427	0.5493	1.3546	0.7993	1.9591
0.0494	0.1233	0.2994	0.7429	0.5494	1.3549	0.7994	1.9593
0.0495	0.1236	0.2995	0.7432	0.5495	1.3551	0.7995	1.9596
0.0496	0.1238	0.2996	0.7434	0.5496	1.3554	0.7996	1.9598
0.0497	0.1241	0.2997	0.7437	0.5497	1.3556	0.7997	1.9601
0.0498	0.1243	0.2998	0.7439	0.5498	1.3559	0.7998	1.9603
0.0499	0.1246	0.2999	0.7442	0.5499	1.3561	0.7999	1.9605
0.0500	0.1248	0.3000	0.7444	0.5500	1.3564	0.8000	1.9608
0.0501	0.1251	0.3001	0.7447	0.5501	1.3566	0.8001	1.9610
0.0502	0.1253	0.3002	0.7449	0.5502	1.3568	0.8002	1.9613
0.0503	0.1256	0.3003	0.7452	0.5503	1.3571	0.8003	1.9615
0.0504	0.1258	0.3004	0.7454	0.5504	1.3573	0.8004	1.9617
0.0505	0.1261	0.3005	0.7456	0.5505	1.3576	0.8005	1.9620
0.0506	0.1263	0.3006	0.7459	0.5506	1.3578	0.8006	1.9622
0.0507	0.1266	0.3007	0.7461	0.5507	1.3581	0.8007	1.9625
0.0508	0.1268	0.3008	0.7464	0.5508	1.3583	0.8008	1.9627
0.0509	0.1271	0.3009	0.7466	0.5509	1.3585	0.8009	1.9629
0.0510	0.1273	0.3010	0.7469	0.5510	1.3588	0.8010	1.9632
0.0511	0.1276	0.3011	0.7471	0.5511	1.3590	0.8011	1.9634
0.0512	0.1278	0.3012	0.7474	0.5512	1.3593	0.8012	1.9637
0.0513	0.1281	0.3013	0.7476	0.5513	1.3595	0.8013	1.9639
0.0514	0.1283	0.3014	0.7479	0.5514	1.3598	0.8014	1.9641
0.0515	0.1286	0.3015	0.7481	0.5515	1.3600	0.8015	1.9644
0.0516	0.1288	0.3016	0.7484	0.5516	1.3602	0.8016	1.9646
0.0517	0.1291	0.3017	0.7486	0.5517	1.3605	0.8017	1.9649
0.0518	0.1293	0.3018	0.7488	0.5518	1.3607	0.8018	1.9651
0.0519	0.1296	0.3019	0.7491	0.5519	1.3610	0.8019	1.9653
0.0520	0.1298	0.3020	0.7493	0.5520	1.3612	0.8020	1.9656
0.0521	0.1301	0.3021	0.7496	0.5521	1.3615	0.8021	1.9658
0.0522	0.1303	0.3022	0.7498	0.5522	1.3617	0.8022	1.9661
0.0523	0.1306	0.3023	0.7501	0.5523	1.3619	0.8023	1.9663
0.0524	0.1308	0.3024	0.7503	0.5524	1.3622	0.8024	1.9666
0.0525	0.1311	0.3025	0.7506	0.5525	1.3624	0.8025	1.9668
0.0526	0.1313	0.3026	0.7508	0.5526	1.3627	0.8026	1.9670
0.0527	0.1316	0.3027	0.7511	0.5527	1.3629	0.8027	1.9673
0.0528	0.1318	0.3028	0.7513	0.5528	1.3632	0.8028	1.9675
0.0529	0.1321	0.3029	0.7516	0.5529	1.3634	0.8029	1.9678
0.0530	0.1323	0.3030	0.7518	0.5530	1.3636	0.8030	1.9680
0.0531	0.1326	0.3031	0.7521	0.5531	1.3639	0.8031	1.9682

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0532	0.1328	0.3032	0.7523	0.5532	1.3641	0.8032	1.9685
0.0533	0.1331	0.3033	0.7525	0.5533	1.3644	0.8033	1.9687
0.0534	0.1333	0.3034	0.7528	0.5534	1.3646	0.8034	1.9692
0.0535	0.1336	0.3035	0.7530	0.5535	1.3649	0.8035	1.9692
0.0536	0.1338	0.3036	0.7533	0.5536	1.3651	0.8036	1.9694
0.0537	0.1341	0.3037	0.7535	0.5537	1.3654	0.8037	1.9697
0.0538	0.1343	0.3038	0.7538	0.5538	1.3656	0.8038	1.9699
0.0539	0.1346	0.3039	0.7540	0.5539	1.3658	0.8039	1.9702
0.0540	0.1348	0.3040	0.7543	0.5540	1.3661	0.8040	1.9704
0.0541	0.1351	0.3041	0.7545	0.5541	1.3663	0.8041	1.9706
0.0542	0.1353	0.3042	0.7548	0.5542	1.3666	0.8042	1.9709
0.0543	0.1356	0.3043	0.7550	0.5543	1.3668	0.8043	1.9711
0.0544	0.1358	0.3044	0.7553	0.5544	1.3671	0.8044	1.9714
0.0545	0.1361	0.3045	0.7555	0.5545	1.3673	0.8045	1.9716
0.0546	0.1363	0.3046	0.7557	0.5546	1.3675	0.8046	1.9718
0.0547	0.1366	0.3047	0.7560	0.5547	1.3678	0.8047	1.9721
0.0548	0.1368	0.3048	0.7562	0.5548	1.3680	0.8048	1.9723
0.0549	0.1371	0.3049	0.7565	0.5549	1.3683	0.8049	1.9726
0.0550	0.1373	0.3050	0.7567	0.5550	1.3685	0.8050	1.9728
0.0551	0.1376	0.3051	0.7570	0.5551	1.3688	0.8051	1.9730
0.0552	0.1378	0.3052	0.7572	0.5552	1.3690	0.8052	1.9733
0.0553	0.1381	0.3053	0.7575	0.5553	1.3692	0.8053	1.9735
0.0554	0.1383	0.3054	0.7577	0.5554	1.3695	0.8054	1.9738
0.0555	0.1386	0.3055	0.7580	0.5555	1.3697	0.8055	1.9740
0.0556	0.1388	0.3056	0.7582	0.5556	1.3700	0.8056	1.9742
0.0557	0.1391	0.3057	0.7585	0.5557	1.3702	0.8057	1.9745
0.0558	0.1393	0.3058	0.7587	0.5558	1.3705	0.8058	1.9747
0.0559	0.1396	0.3059	0.7589	0.5559	1.3707	0.8059	1.9750
0.0560	0.1398	0.3060	0.7592	0.5560	1.3709	0.8060	1.9752
0.0561	0.1401	0.3061	0.7594	0.5561	1.3712	0.8061	1.9754
0.0562	0.1403	0.3062	0.7597	0.5562	1.3714	0.8062	1.9757
0.0563	0.1406	0.3063	0.7599	0.5563	1.3717	0.8063	1.9759
0.0564	0.1408	0.3064	0.7602	0.5564	1.3719	0.8064	1.9762
0.0565	0.1411	0.3065	0.7604	0.5565	1.3722	0.8065	1.9764
0.0566	0.1413	0.3066	0.7607	0.5566	1.3724	0.8066	1.9766
0.0567	0.1415	0.3067	0.7609	0.5567	1.3726	0.8067	1.9769
0.0568	0.1418	0.3068	0.7612	0.5568	1.3729	0.8068	1.9771
0.0569	0.1420	0.3069	0.7614	0.5569	1.3731	0.8069	1.9774
0.0570	0.1423	0.3070	0.7617	0.5570	1.3734	0.8070	1.9776
0.0571	0.1425	0.3071	0.7619	0.5571	1.3736	0.8071	1.9778
0.0572	0.1428	0.3072	0.7621	0.5572	1.3739	0.8072	1.9781
0.0573	0.1430	0.3073	0.7624	0.5573	1.3741	0.8073	1.9783
0.0574	0.1433	0.3074	0.7626	0.5574	1.3743	0.8074	1.9786
0.0575	0.1435	0.3075	0.7629	0.5575	1.3746	0.8075	1.9788
0.0576	0.1438	0.3076	0.7631	0.5576	1.3748	0.8076	1.9790
0.0577	0.1440	0.3077	0.7634	0.5577	1.3751	0.8077	1.9793
0.0578	0.1443	0.3078	0.7636	0.5578	1.3753	0.8078	1.9795
0.0579	0.1445	0.3079	0.7639	0.5579	1.3756	0.8079	1.9798
0.0580	0.1448	0.3080	0.7641	0.5580	1.3758	0.8080	1.9800
0.0581	0.1450	0.3081	0.7644	0.5581	1.3761	0.8081	1.9802
0.0582	0.1453	0.3082	0.7646	0.5582	1.3763	0.8082	1.9805
0.0583	0.1455	0.3083	0.7649	0.5583	1.3765	0.8083	1.9807
0.0584	0.1458	0.3084	0.7651	0.5584	1.3768	0.8084	1.9810
0.0585	0.1460	0.3085	0.7653	0.5585	1.3770	0.8085	1.9812
0.0586	0.1463	0.3086	0.7656	0.5586	1.3773	0.8086	1.9814
0.0587	0.1465	0.3087	0.7658	0.5587	1.3775	0.8087	1.9817
0.0588	0.1468	0.3088	0.7661	0.5588	1.3778	0.8088	1.9819
0.0589	0.1470	0.3089	0.7663	0.5589	1.3780	0.8089	1.9822
0.0590	0.1473	0.3090	0.7666	0.5590	1.3782	0.8090	1.9824

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0591	0.1475	0.3091	0.7668	0.5591	1.3785	0.8091	1.9826
0.0592	0.1478	0.3092	0.7671	0.5592	1.3787	0.8092	1.9829
0.0593	0.1480	0.3093	0.7673	0.5593	1.3790	0.8093	1.9831
0.0594	0.1483	0.3094	0.7676	0.5594	1.3792	0.8094	1.9834
0.0595	0.1485	0.3095	0.7678	0.5595	1.3795	0.8095	1.9836
0.0596	0.1488	0.3096	0.7681	0.5596	1.3797	0.8096	1.9838
0.0597	0.1490	0.3097	0.7683	0.5597	1.3799	0.8097	1.9841
0.0598	0.1493	0.3098	0.7685	0.5598	1.3802	0.8098	1.9843
0.0599	0.1495	0.3099	0.7688	0.5599	1.3804	0.8099	1.9846
0.0600	0.1498	0.3100	0.7690	0.5600	1.3807	0.8100	1.9848
0.0601	0.1500	0.3101	0.7693	0.5601	1.3809	0.8101	1.9850
0.0602	0.1503	0.3102	0.7695	0.5602	1.3812	0.8102	1.9853
0.0603	0.1505	0.3103	0.7698	0.5603	1.3814	0.8103	1.9855
0.0604	0.1508	0.3104	0.7700	0.5604	1.3816	0.8104	1.9858
0.0605	0.1510	0.3105	0.7703	0.5605	1.3819	0.8105	1.9860
0.0606	0.1513	0.3106	0.7705	0.5606	1.3821	0.8106	1.9862
0.0607	0.1515	0.3107	0.7708	0.5607	1.3824	0.8107	1.9865
0.0608	0.1518	0.3108	0.7710	0.5608	1.3826	0.8108	1.9867
0.0609	0.1520	0.3109	0.7713	0.5609	1.3829	0.8109	1.9870
0.0610	0.1523	0.3110	0.7715	0.5610	1.3831	0.8110	1.9872
0.0611	0.1525	0.3111	0.7717	0.5611	1.3833	0.8111	1.9874
0.0612	0.1528	0.3112	0.7720	0.5612	1.3836	0.8112	1.9877
0.0613	0.1530	0.3113	0.7722	0.5613	1.3838	0.8113	1.9879
0.0614	0.1533	0.3114	0.7725	0.5614	1.3841	0.8114	1.9882
0.0615	0.1535	0.3115	0.7727	0.5615	1.3843	0.8115	1.9884
0.0616	0.1538	0.3116	0.7730	0.5616	1.3846	0.8116	1.9887
0.0617	0.1540	0.3117	0.7732	0.5617	1.3848	0.8117	1.9889
0.0618	0.1543	0.3118	0.7735	0.5618	1.3850	0.8118	1.9891
0.0619	0.1545	0.3119	0.7737	0.5619	1.3853	0.8119	1.9894
0.0620	0.1548	0.3120	0.7740	0.5620	1.3855	0.8120	1.9896
0.0621	0.1550	0.3121	0.7742	0.5621	1.3858	0.8121	1.9899
0.0622	0.1553	0.3122	0.7745	0.5622	1.3860	0.8122	1.9901
0.0623	0.1555	0.3123	0.7747	0.5623	1.3863	0.8123	1.9903
0.0624	0.1558	0.3124	0.7749	0.5624	1.3865	0.8124	1.9906
0.0625	0.1560	0.3125	0.7752	0.5625	1.3867	0.8125	1.9908
0.0626	0.1563	0.3126	0.7754	0.5626	1.3870	0.8126	1.9911
0.0627	0.1565	0.3127	0.7757	0.5627	1.3872	0.8127	1.9913
0.0628	0.1568	0.3128	0.7759	0.5628	1.3875	0.8128	1.9915
0.0629	0.1570	0.3129	0.7762	0.5629	1.3877	0.8129	1.9918
0.0630	0.1573	0.3130	0.7764	0.5630	1.3880	0.8130	1.9920
0.0631	0.1575	0.3131	0.7767	0.5631	1.3882	0.8131	1.9923
0.0632	0.1578	0.3132	0.7769	0.5632	1.3885	0.8132	1.9925
0.0633	0.1580	0.3133	0.7772	0.5633	1.3887	0.8133	1.9927
0.0634	0.1582	0.3134	0.7774	0.5634	1.3889	0.8134	1.9930
0.0635	0.1585	0.3135	0.7777	0.5635	1.3892	0.8135	1.9932
0.0636	0.1587	0.3136	0.7779	0.5636	1.3894	0.8136	1.9935
0.0637	0.1590	0.3137	0.7781	0.5637	1.3897	0.8137	1.9937
0.0638	0.1592	0.3138	0.7784	0.5638	1.3899	0.8138	1.9939
0.0639	0.1595	0.3139	0.7786	0.5639	1.3902	0.8139	1.9940
0.0640	0.1597	0.3140	0.7789	0.5640	1.3904	0.8140	1.9944
0.0641	0.1600	0.3141	0.7791	0.5641	1.3906	0.8141	1.9947
0.0642	0.1602	0.3142	0.7794	0.5642	1.3909	0.8142	1.9949
0.0643	0.1605	0.3143	0.7796	0.5643	1.3911	0.8143	1.9951
0.0644	0.1607	0.3144	0.7799	0.5644	1.3914	0.8144	1.9954
0.0645	0.1610	0.3145	0.7801	0.5645	1.3916	0.8145	1.9956
0.0646	0.1612	0.3146	0.7804	0.5646	1.3919	0.8146	1.9959
0.0647	0.1615	0.3147	0.7806	0.5647	1.3921	0.8147	1.9961
0.0648	0.1617	0.3148	0.7809	0.5648	1.3923	0.8148	1.9963
0.0649	0.1620	0.3149	0.7811	0.5649	1.3926	0.8149	1.9966



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0650	0.1622	0.3150	0.7813	0.5650	1.3928	0.8150	1.9968
0.0651	0.1625	0.3151	0.7816	0.5651	1.3931	0.8151	1.9971
0.0652	0.1627	0.3152	0.7818	0.5652	1.3933	0.8152	1.9973
0.0653	0.1630	0.3153	0.7821	0.5653	1.3936	0.8153	1.9975
0.0654	0.1632	0.3154	0.7823	0.5654	1.3938	0.8154	1.9978
0.0655	0.1635	0.3155	0.7826	0.5655	1.3940	0.8155	1.9980
0.0656	0.1637	0.3156	0.7828	0.5656	1.3943	0.8156	1.9983
0.0657	0.1640	0.3157	0.7831	0.5657	1.3945	0.8157	1.9985
0.0658	0.1642	0.3158	0.7833	0.5658	1.3948	0.8158	1.9987
0.0659	0.1645	0.3159	0.7836	0.5659	1.3950	0.8159	1.9990
0.0660	0.1647	0.3160	0.7838	0.5660	1.3953	0.8160	1.9992
0.0661	0.1650	0.3161	0.7841	0.5661	1.3955	0.8161	1.9995
0.0662	0.1652	0.3162	0.7843	0.5662	1.3957	0.8162	1.9997
0.0663	0.1655	0.3163	0.7845	0.5663	1.3960	0.8163	1.9999
0.0664	0.1657	0.3164	0.7848	0.5664	1.3962	0.8164	2.0002
0.0665	0.1660	0.3165	0.7850	0.5665	1.3965	0.8165	2.0004
0.0666	0.1662	0.3166	0.7853	0.5666	1.3967	0.8166	2.0007
0.0667	0.1665	0.3167	0.7855	0.5667	1.3970	0.8167	2.0009
0.0668	0.1667	0.3168	0.7858	0.5668	1.3972	0.8168	2.0011
0.0669	0.1670	0.3169	0.7860	0.5669	1.3974	0.8169	2.0014
0.0670	0.1672	0.3170	0.7863	0.5670	1.3977	0.8170	2.0016
0.0671	0.1675	0.3171	0.7865	0.5671	1.3979	0.8171	2.0019
0.0672	0.1677	0.3172	0.7868	0.5672	1.3982	0.8172	2.0021
0.0673	0.1680	0.3173	0.7870	0.5673	1.3984	0.8173	2.0023
0.0674	0.1682	0.3174	0.7873	0.5674	1.3987	0.8174	2.0026
0.0675	0.1685	0.3175	0.7875	0.5675	1.3989	0.8175	2.0028
0.0676	0.1687	0.3176	0.7877	0.5676	1.3991	0.8176	2.0031
0.0677	0.1690	0.3177	0.7880	0.5677	1.3994	0.8177	2.0033
0.0678	0.1692	0.3178	0.7882	0.5678	1.3996	0.8178	2.0035
0.0679	0.1695	0.3179	0.7885	0.5679	1.3999	0.8179	2.0038
0.0680	0.1697	0.3180	0.7887	0.5680	1.4001	0.8180	2.0040
0.0681	0.1700	0.3181	0.7890	0.5681	1.4004	0.8181	2.0043
0.0682	0.1702	0.3182	0.7892	0.5682	1.4006	0.8182	2.0045
0.0683	0.1705	0.3183	0.7895	0.5683	1.4008	0.8183	2.0047
0.0684	0.1707	0.3184	0.7897	0.5684	1.4011	0.8184	2.0050
0.0685	0.1710	0.3185	0.7900	0.5685	1.4013	0.8185	2.0052
0.0686	0.1712	0.3186	0.7902	0.5686	1.4016	0.8186	2.0055
0.0687	0.1715	0.3187	0.7905	0.5687	1.4018	0.8187	2.0057
0.0688	0.1717	0.3188	0.7907	0.5688	1.4021	0.8188	2.0059
0.0689	0.1720	0.3189	0.7909	0.5689	1.4023	0.8189	2.0062
0.0690	0.1722	0.3190	0.7912	0.5690	1.4025	0.8190	2.0064
0.0691	0.1725	0.3191	0.7914	0.5691	1.4028	0.8191	2.0067
0.0692	0.1727	0.3192	0.7917	0.5692	1.4030	0.8192	2.0069
0.0693	0.1730	0.3193	0.7919	0.5693	1.4033	0.8193	2.0071
0.0694	0.1732	0.3194	0.7922	0.5694	1.4035	0.8194	2.0074
0.0695	0.1734	0.3195	0.7924	0.5695	1.4038	0.8195	2.0076
0.0696	0.1737	0.3196	0.7927	0.5696	1.4040	0.8196	2.0079
0.0697	0.1739	0.3197	0.7929	0.5697	1.4043	0.8197	2.0081
0.0698	0.1742	0.3198	0.7932	0.5698	1.4045	0.8198	2.0083
0.0699	0.1744	0.3199	0.7934	0.5699	1.4047	0.8199	2.0086
0.0700	0.1747	0.3200	0.7937	0.5700	1.4050	0.8200	2.0088
0.0701	0.1749	0.3201	0.7939	0.5701	1.4052	0.8201	2.0091
0.0702	0.1752	0.3202	0.7941	0.5702	1.4055	0.8202	2.0093
0.0703	0.1754	0.3203	0.7944	0.5703	1.4057	0.8203	2.0095
0.0704	0.1757	0.3204	0.7946	0.5704	1.4060	0.8204	2.0098
0.0705	0.1759	0.3205	0.7949	0.5705	1.4062	0.8205	2.0100
0.0706	0.1762	0.3206	0.7951	0.5706	1.4064	0.8206	2.0103
0.0707	0.1764	0.3207	0.7954	0.5707	1.4067	0.8207	2.0105
0.0708	0.1767	0.3208	0.7956	0.5708	1.4069	0.8208	2.0107

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0709	0.1769	0.3209	0.7959	0.5709	1.4072	0.8209	2.0117
0.0710	0.1772	0.3210	0.7961	0.5710	1.4074	0.8210	2.0112
0.0711	0.1774	0.3211	0.7964	0.5711	1.4077	0.8211	2.0115
0.0712	0.1777	0.3212	0.7966	0.5712	1.4079	0.8212	2.0117
0.0713	0.1779	0.3213	0.7968	0.5713	1.4081	0.8213	2.0119
0.0714	0.1782	0.3214	0.7971	0.5714	1.4084	0.8214	2.0122
0.0715	0.1784	0.3215	0.7973	0.5715	1.4086	0.8215	2.0124
0.0716	0.1787	0.3216	0.7976	0.5716	1.4089	0.8216	2.0127
0.0717	0.1789	0.3217	0.7978	0.5717	1.4091	0.8217	2.0129
0.0718	0.1792	0.3218	0.7981	0.5718	1.4094	0.8218	2.0131
0.0719	0.1794	0.3219	0.7983	0.5719	1.4096	0.8219	2.0134
0.0720	0.1797	0.3220	0.7986	0.5720	1.4098	0.8220	2.0136
0.0721	0.1799	0.3221	0.7988	0.5721	1.4101	0.8221	2.0139
0.0722	0.1802	0.3222	0.7991	0.5722	1.4103	0.8222	2.0141
0.0723	0.1804	0.3223	0.7993	0.5723	1.4106	0.8223	2.0143
0.0724	0.1807	0.3224	0.7996	0.5724	1.4108	0.8224	2.0146
0.0725	0.1809	0.3225	0.7998	0.5725	1.4111	0.8225	2.0148
0.0726	0.1812	0.3226	0.8000	0.5726	1.4113	0.8226	2.0151
0.0727	0.1814	0.3227	0.8003	0.5727	1.4115	0.8227	2.0153
0.0728	0.1817	0.3228	0.8005	0.5728	1.4118	0.8228	2.0155
0.0729	0.1819	0.3229	0.8008	0.5729	1.4120	0.8229	2.0158
0.0730	0.1822	0.3230	0.8010	0.5730	1.4123	0.8230	2.0160
0.0731	0.1824	0.3231	0.8013	0.5731	1.4125	0.8231	2.0163
0.0732	0.1827	0.3232	0.8015	0.5732	1.4128	0.8232	2.0165
0.0733	0.1829	0.3233	0.8018	0.5733	1.4130	0.8233	2.0167
0.0734	0.1832	0.3234	0.8020	0.5734	1.4132	0.8234	2.0170
0.0735	0.1834	0.3235	0.8023	0.5735	1.4135	0.8235	2.0172
0.0736	0.1837	0.3236	0.8025	0.5736	1.4137	0.8236	2.0175
0.0737	0.1839	0.3237	0.8028	0.5737	1.4140	0.8237	2.0177
0.0738	0.1842	0.3238	0.8030	0.5738	1.4142	0.8238	2.0179
0.0739	0.1844	0.3239	0.8032	0.5739	1.4145	0.8239	2.0182
0.0740	0.1847	0.3240	0.8035	0.5740	1.4147	0.8240	2.0184
0.0741	0.1849	0.3241	0.8037	0.5741	1.4149	0.8241	2.0187
0.0742	0.1852	0.3242	0.8040	0.5742	1.4152	0.8242	2.0189
0.0743	0.1854	0.3243	0.8042	0.5743	1.4154	0.8243	2.0191
0.0744	0.1857	0.3244	0.8045	0.5744	1.4157	0.8244	2.0194
0.0745	0.1859	0.3245	0.8047	0.5745	1.4159	0.8245	2.0196
0.0746	0.1862	0.3246	0.8050	0.5746	1.4162	0.8246	2.0199
0.0747	0.1864	0.3247	0.8052	0.5747	1.4164	0.8247	2.0201
0.0748	0.1867	0.3248	0.8055	0.5748	1.4166	0.8248	2.0203
0.0749	0.1869	0.3249	0.8057	0.5749	1.4169	0.8249	2.0206
0.0750	0.1871	0.3250	0.8060	0.5750	1.4171	0.8250	2.0208
0.0751	0.1874	0.3251	0.8062	0.5751	1.4174	0.8251	2.0211
0.0752	0.1876	0.3252	0.8064	0.5752	1.4176	0.8252	2.0213
0.0753	0.1879	0.3253	0.8067	0.5753	1.4179	0.8253	2.0215
0.0754	0.1881	0.3254	0.8069	0.5754	1.4181	0.8254	2.0218
0.0755	0.1884	0.3255	0.8072	0.5755	1.4183	0.8255	2.0220
0.0756	0.1886	0.3256	0.8074	0.5756	1.4186	0.8256	2.0223
0.0757	0.1889	0.3257	0.8077	0.5757	1.4188	0.8257	2.0225
0.0758	0.1891	0.3258	0.8079	0.5758	1.4191	0.8258	2.0227
0.0759	0.1894	0.3259	0.8082	0.5759	1.4193	0.8259	2.0230
0.0760	0.1896	0.3260	0.8084	0.5760	1.4196	0.8260	2.0232
0.0761	0.1899	0.3261	0.8087	0.5761	1.4198	0.8261	2.0235
0.0762	0.1901	0.3262	0.8089	0.5762	1.4200	0.8262	2.0237
0.0763	0.1904	0.3263	0.8091	0.5763	1.4203	0.8263	2.0239
0.0764	0.1906	0.3264	0.8094	0.5764	1.4205	0.8264	2.0242
0.0765	0.1909	0.3265	0.8096	0.5765	1.4208	0.8265	2.0244
0.0766	0.1911	0.3266	0.8099	0.5766	1.4210	0.8266	2.0247
0.0767	0.1914	0.3267	0.8101	0.5767	1.4213	0.8267	2.0249

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0768	0.1916	0.3268	0.8104	0.5768	1.4215	0.8268	2.0251
0.0769	0.1919	0.3269	0.8106	0.5769	1.4217	0.8269	2.0254
0.0770	0.1921	0.3270	0.8109	0.5770	1.4220	0.8270	2.0256
0.0771	0.1924	0.3271	0.8111	0.5771	1.4222	0.8271	2.0259
0.0772	0.1926	0.3272	0.8114	0.5772	1.4225	0.8272	2.0261
0.0773	0.1929	0.3273	0.8116	0.5773	1.4227	0.8273	2.0263
0.0774	0.1931	0.3274	0.8119	0.5774	1.4230	0.8274	2.0266
0.0775	0.1934	0.3275	0.8121	0.5775	1.4232	0.8275	2.0268
0.0776	0.1936	0.3276	0.8123	0.5776	1.4234	0.8276	2.0271
0.0777	0.1939	0.3277	0.8126	0.5777	1.4237	0.8277	2.0273
0.0778	0.1941	0.3278	0.8128	0.5778	1.4239	0.8278	2.0275
0.0779	0.1944	0.3279	0.8131	0.5779	1.4242	0.8279	2.0278
0.0780	0.1946	0.3280	0.8133	0.5780	1.4244	0.8280	2.0280
0.0781	0.1949	0.3281	0.8136	0.5781	1.4247	0.8281	2.0283
0.0782	0.1951	0.3282	0.8138	0.5782	1.4249	0.8282	2.0285
0.0783	0.1954	0.3283	0.8141	0.5783	1.4251	0.8283	2.0287
0.0784	0.1956	0.3284	0.8143	0.5784	1.4254	0.8284	2.0290
0.0785	0.1959	0.3285	0.8146	0.5785	1.4256	0.8285	2.0292
0.0786	0.1961	0.3286	0.8148	0.5786	1.4259	0.8286	2.0295
0.0787	0.1964	0.3287	0.8151	0.5787	1.4261	0.8287	2.0297
0.0788	0.1966	0.3288	0.8153	0.5788	1.4264	0.8288	2.0299
0.0789	0.1969	0.3289	0.8155	0.5789	1.4266	0.8289	2.0302
0.0790	0.1971	0.3290	0.8158	0.5790	1.4268	0.8290	2.0304
0.0791	0.1974	0.3291	0.8160	0.5791	1.4271	0.8291	2.0307
0.0792	0.1976	0.3292	0.8163	0.5792	1.4273	0.8292	2.0309
0.0793	0.1979	0.3293	0.8165	0.5793	1.4276	0.8293	2.0311
0.0794	0.1981	0.3294	0.8168	0.5794	1.4278	0.8294	2.0314
0.0795	0.1984	0.3295	0.8170	0.5795	1.4281	0.8295	2.0316
0.0796	0.1986	0.3296	0.8173	0.5796	1.4283	0.8296	2.0319
0.0797	0.1989	0.3297	0.8175	0.5797	1.4285	0.8297	2.0321
0.0798	0.1991	0.3298	0.8178	0.5798	1.4288	0.8298	2.0323
0.0799	0.1994	0.3299	0.8180	0.5799	1.4290	0.8299	2.0326
0.0800	0.1996	0.3300	0.8182	0.5800	1.4293	0.8300	2.0328
0.0801	0.1998	0.3301	0.8185	0.5801	1.4295	0.8301	2.0331
0.0802	0.2001	0.3302	0.8187	0.5802	1.4298	0.8302	2.0333
0.0803	0.2003	0.3303	0.8190	0.5803	1.4300	0.8303	2.0335
0.0804	0.2006	0.3304	0.8192	0.5804	1.4302	0.8304	2.0338
0.0805	0.2008	0.3305	0.8195	0.5805	1.4305	0.8305	2.0340
0.0806	0.2011	0.3306	0.8197	0.5806	1.4307	0.8306	2.0343
0.0807	0.2013	0.3307	0.8200	0.5807	1.4310	0.8307	2.0345
0.0808	0.2016	0.3308	0.8202	0.5808	1.4312	0.8308	2.0347
0.0809	0.2018	0.3309	0.8205	0.5809	1.4315	0.8309	2.0350
0.0810	0.2021	0.3310	0.8207	0.5810	1.4317	0.8310	2.0352
0.0811	0.2023	0.3311	0.8210	0.5811	1.4319	0.8311	2.0355
0.0812	0.2026	0.3312	0.8212	0.5812	1.4322	0.8312	2.0357
0.0813	0.2028	0.3313	0.8214	0.5813	1.4324	0.8313	2.0359
0.0814	0.2031	0.3314	0.8217	0.5814	1.4327	0.8314	2.0362
0.0815	0.2033	0.3315	0.8219	0.5815	1.4329	0.8315	2.0364
0.0816	0.2036	0.3316	0.8222	0.5816	1.4332	0.8316	2.0367
0.0817	0.2038	0.3317	0.8224	0.5817	1.4334	0.8317	2.0369
0.0818	0.2041	0.3318	0.8227	0.5818	1.4336	0.8318	2.0371
0.0819	0.2043	0.3319	0.8229	0.5819	1.4339	0.8319	2.0374
0.0820	0.2046	0.3320	0.8232	0.5820	1.4341	0.8320	2.0376
0.0821	0.2048	0.3321	0.8234	0.5821	1.4344	0.8321	2.0379
0.0822	0.2051	0.3322	0.8237	0.5822	1.4346	0.8322	2.0381
0.0823	0.2053	0.3323	0.8239	0.5823	1.4349	0.8323	2.0383
0.0824	0.2056	0.3324	0.8242	0.5824	1.4351	0.8324	2.0386
0.0825	0.2058	0.3325	0.8244	0.5825	1.4353	0.8325	2.0388
0.0826	0.2061	0.3326	0.8246	0.5826	1.4356	0.8326	2.0391



RDG.	ATOMZ	RDG.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.0827	0.2063	0.3327	0.8249	0.5827	1.4358	0.8327	2.0393
0.0828	0.2066	0.3328	0.8251	0.5828	1.4361	0.8328	2.0395
0.0829	0.2068	0.3329	0.8254	0.5829	1.4363	0.8329	2.0396
0.0830	0.2071	0.3330	0.8256	0.5830	1.4366	0.8330	2.0400
0.0831	0.2073	0.3331	0.8259	0.5831	1.4368	0.8331	2.0403
0.0832	0.2076	0.3332	0.8261	0.5832	1.4370	0.8332	2.0405
0.0833	0.2078	0.3333	0.8264	0.5833	1.4373	0.8333	2.0407
0.0834	0.2081	0.3334	0.8266	0.5834	1.4375	0.8334	2.0410
0.0835	0.2083	0.3335	0.8269	0.5835	1.4378	0.8335	2.0412
0.0836	0.2086	0.3336	0.8271	0.5836	1.4380	0.8336	2.0415
0.0837	0.2088	0.3337	0.8273	0.5837	1.4383	0.8337	2.0417
0.0838	0.2091	0.3338	0.8276	0.5838	1.4385	0.8338	2.0419
0.0839	0.2093	0.3339	0.8278	0.5839	1.4387	0.8339	2.0420
0.0840	0.2096	0.3340	0.8281	0.5840	1.4390	0.8340	2.0424
0.0841	0.2098	0.3341	0.8283	0.5841	1.4392	0.8341	2.0427
0.0842	0.2101	0.3342	0.8286	0.5842	1.4395	0.8342	2.0429
0.0843	0.2103	0.3343	0.8288	0.5843	1.4397	0.8343	2.0431
0.0844	0.2106	0.3344	0.8291	0.5844	1.4400	0.8344	2.0434
0.0845	0.2108	0.3345	0.8293	0.5845	1.4402	0.8345	2.0436
0.0846	0.2111	0.3346	0.8296	0.5846	1.4404	0.8346	2.0439
0.0847	0.2113	0.3347	0.8298	0.5847	1.4407	0.8347	2.0441
0.0848	0.2116	0.3348	0.8301	0.5848	1.4409	0.8348	2.0443
0.0849	0.2118	0.3349	0.8303	0.5849	1.4412	0.8349	2.0446
0.0850	0.2120	0.3350	0.8305	0.5850	1.4414	0.8350	2.0448
0.0851	0.2123	0.3351	0.8308	0.5851	1.4417	0.8351	2.0451
0.0852	0.2125	0.3352	0.8310	0.5852	1.4419	0.8352	2.0453
0.0853	0.2128	0.3353	0.8313	0.5853	1.4421	0.8353	2.0455
0.0854	0.2130	0.3354	0.8315	0.5854	1.4424	0.8354	2.0456
0.0855	0.2133	0.3355	0.8318	0.5855	1.4426	0.8355	2.0460
0.0856	0.2135	0.3356	0.8320	0.5856	1.4429	0.8356	2.0463
0.0857	0.2138	0.3357	0.8323	0.5857	1.4431	0.8357	2.0465
0.0858	0.2140	0.3358	0.8325	0.5858	1.4434	0.8358	2.0467
0.0859	0.2143	0.3359	0.8328	0.5859	1.4436	0.8359	2.0470
0.0860	0.2145	0.3360	0.8330	0.5860	1.4438	0.8360	2.0472
0.0861	0.2148	0.3361	0.8332	0.5861	1.4441	0.8361	2.0475
0.0862	0.2150	0.3362	0.8335	0.5862	1.4443	0.8362	2.0477
0.0863	0.2153	0.3363	0.8337	0.5863	1.4446	0.8363	2.0479
0.0864	0.2155	0.3364	0.8340	0.5864	1.4448	0.8364	2.0482
0.0865	0.2158	0.3365	0.8342	0.5865	1.4451	0.8365	2.0484
0.0866	0.2160	0.3366	0.8345	0.5866	1.4453	0.8366	2.0487
0.0867	0.2163	0.3367	0.8347	0.5867	1.4455	0.8367	2.0489
0.0868	0.2165	0.3368	0.8350	0.5868	1.4458	0.8368	2.0491
0.0869	0.2168	0.3369	0.8352	0.5869	1.4460	0.8369	2.0494
0.0870	0.2170	0.3370	0.8355	0.5870	1.4463	0.8370	2.0496
0.0871	0.2173	0.3371	0.8357	0.5871	1.4465	0.8371	2.0499
0.0872	0.2175	0.3372	0.8360	0.5872	1.4468	0.8372	2.0501
0.0873	0.2178	0.3373	0.8362	0.5873	1.4470	0.8373	2.0503
0.0874	0.2180	0.3374	0.8364	0.5874	1.4472	0.8374	2.0506
0.0875	0.2183	0.3375	0.8367	0.5875	1.4475	0.8375	2.0508
0.0876	0.2185	0.3376	0.8369	0.5876	1.4477	0.8376	2.0511
0.0877	0.2188	0.3377	0.8372	0.5877	1.4480	0.8377	2.0513
0.0878	0.2190	0.3378	0.8374	0.5878	1.4482	0.8378	2.0515
0.0879	0.2193	0.3379	0.8377	0.5879	1.4485	0.8379	2.0518
0.0880	0.2195	0.3380	0.8379	0.5880	1.4487	0.8380	2.0520
0.0881	0.2198	0.3381	0.8382	0.5881	1.4489	0.8381	2.0522
0.0882	0.2200	0.3382	0.8384	0.5882	1.4492	0.8382	2.0525
0.0883	0.2203	0.3383	0.8387	0.5883	1.4494	0.8383	2.0527
0.0884	0.2205	0.3384	0.8389	0.5884	1.4497	0.8384	2.0530
0.0885	0.2208	0.3385	0.8391	0.5885	1.4499	0.8385	2.0532

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0886	0.2210	0.3386	0.8394	0.5886	1.4502	0.8386	2.0534
0.0887	0.2213	0.3387	0.8396	0.5887	1.4504	0.8387	2.0537
0.0888	0.2215	0.3388	0.8399	0.5888	1.4506	0.8388	2.0539
0.0889	0.2218	0.3389	0.8401	0.5889	1.4509	0.8389	2.0542
0.0890	0.2220	0.3390	0.8404	0.5890	1.4511	0.8390	2.0544
0.0891	0.2223	0.3391	0.8406	0.5891	1.4514	0.8391	2.0546
0.0892	0.2225	0.3392	0.8409	0.5892	1.4516	0.8392	2.0549
0.0893	0.2228	0.3393	0.8411	0.5893	1.4519	0.8393	2.0551
0.0894	0.2230	0.3394	0.8414	0.5894	1.4521	0.8394	2.0554
0.0895	0.2233	0.3395	0.8416	0.5895	1.4523	0.8395	2.0556
0.0896	0.2235	0.3396	0.8419	0.5896	1.4526	0.8396	2.0558
0.0897	0.2237	0.3397	0.8421	0.5897	1.4528	0.8397	2.0561
0.0898	0.2240	0.3398	0.8423	0.5898	1.4531	0.8398	2.0563
0.0899	0.2242	0.3399	0.8426	0.5899	1.4533	0.8399	2.0566
0.0900	0.2245	0.3400	0.8428	0.5900	1.4536	0.8400	2.0568
0.0901	0.2247	0.3401	0.8431	0.5901	1.4538	0.8401	2.0571
0.0902	0.2250	0.3402	0.8433	0.5902	1.4540	0.8402	2.0573
0.0903	0.2252	0.3403	0.8436	0.5903	1.4543	0.8403	2.0575
0.0904	0.2255	0.3404	0.8438	0.5904	1.4545	0.8404	2.0578
0.0905	0.2257	0.3405	0.8441	0.5905	1.4548	0.8405	2.0580
0.0906	0.2260	0.3406	0.8443	0.5906	1.4550	0.8406	2.0582
0.0907	0.2262	0.3407	0.8446	0.5907	1.4553	0.8407	2.0585
0.0908	0.2265	0.3408	0.8448	0.5908	1.4555	0.8408	2.0587
0.0909	0.2267	0.3409	0.8450	0.5909	1.4557	0.8409	2.0590
0.0910	0.2270	0.3410	0.8453	0.5910	1.4560	0.8410	2.0592
0.0911	0.2272	0.3411	0.8455	0.5911	1.4562	0.8411	2.0594
0.0912	0.2275	0.3412	0.8458	0.5912	1.4565	0.8412	2.0597
0.0913	0.2277	0.3413	0.8460	0.5913	1.4567	0.8413	2.0599
0.0914	0.2280	0.3414	0.8463	0.5914	1.4570	0.8414	2.0602
0.0915	0.2282	0.3415	0.8465	0.5915	1.4572	0.8415	2.0604
0.0916	0.2285	0.3416	0.8468	0.5916	1.4574	0.8416	2.0606
0.0917	0.2287	0.3417	0.8470	0.5917	1.4577	0.8417	2.0609
0.0918	0.2290	0.3418	0.8473	0.5918	1.4579	0.8418	2.0611
0.0919	0.2292	0.3419	0.8475	0.5919	1.4582	0.8419	2.0614
0.0920	0.2295	0.3420	0.8478	0.5920	1.4584	0.8420	2.0616
0.0921	0.2297	0.3421	0.8480	0.5921	1.4587	0.8421	2.0618
0.0922	0.2300	0.3422	0.8482	0.5922	1.4589	0.8422	2.0621
0.0923	0.2302	0.3423	0.8485	0.5923	1.4591	0.8423	2.0623
0.0924	0.2305	0.3424	0.8487	0.5924	1.4594	0.8424	2.0626
0.0925	0.2307	0.3425	0.8490	0.5925	1.4596	0.8425	2.0628
0.0926	0.2310	0.3426	0.8492	0.5926	1.4599	0.8426	2.0630
0.0927	0.2312	0.3427	0.8495	0.5927	1.4601	0.8427	2.0633
0.0928	0.2315	0.3428	0.8497	0.5928	1.4604	0.8428	2.0635
0.0929	0.2317	0.3429	0.8500	0.5929	1.4606	0.8429	2.0638
0.0930	0.2320	0.3430	0.8502	0.5930	1.4608	0.8430	2.0640
0.0931	0.2322	0.3431	0.8505	0.5931	1.4611	0.8431	2.0642
0.0932	0.2325	0.3432	0.8507	0.5932	1.4613	0.8432	2.0645
0.0933	0.2327	0.3433	0.8509	0.5933	1.4616	0.8433	2.0647
0.0934	0.2330	0.3434	0.8512	0.5934	1.4618	0.8434	2.0650
0.0935	0.2332	0.3435	0.8514	0.5935	1.4621	0.8435	2.0652
0.0936	0.2335	0.3436	0.8517	0.5936	1.4623	0.8436	2.0654
0.0937	0.2337	0.3437	0.8519	0.5937	1.4625	0.8437	2.0657
0.0938	0.2340	0.3438	0.8522	0.5938	1.4628	0.8438	2.0659
0.0939	0.2342	0.3439	0.8524	0.5939	1.4630	0.8439	2.0662
0.0940	0.2344	0.3440	0.8527	0.5940	1.4633	0.8440	2.0664
0.0941	0.2347	0.3441	0.8529	0.5941	1.4635	0.8441	2.0666
0.0942	0.2349	0.3442	0.8532	0.5942	1.4638	0.8442	2.0669
0.0943	0.2352	0.3443	0.8534	0.5943	1.4640	0.8443	2.0671
0.0944	0.2354	0.3444	0.8537	0.5944	1.4642	0.8444	2.0674

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.0945	0.2357	0.3445	0.8539	0.5945	1.4645	0.8445	2.0676
0.0946	0.2359	0.3446	0.8541	0.5946	1.4647	0.8446	2.0678
0.0947	0.2362	0.3447	0.8544	0.5947	1.4650	0.8447	2.0681
0.0948	0.2364	0.3448	0.8546	0.5948	1.4652	0.8448	2.0683
0.0949	0.2367	0.3449	0.8549	0.5949	1.4655	0.8449	2.0686
0.0950	0.2369	0.3450	0.8551	0.5950	1.4657	0.8450	2.0688
0.0951	0.2372	0.3451	0.8554	0.5951	1.4659	0.8451	2.0691
0.0952	0.2374	0.3452	0.8556	0.5952	1.4662	0.8452	2.0693
0.0953	0.2377	0.3453	0.8559	0.5953	1.4664	0.8453	2.0695
0.0954	0.2379	0.3454	0.8561	0.5954	1.4667	0.8454	2.0698
0.0955	0.2382	0.3455	0.8564	0.5955	1.4669	0.8455	2.0700
0.0956	0.2384	0.3456	0.8566	0.5956	1.4672	0.8456	2.0702
0.0957	0.2387	0.3457	0.8568	0.5957	1.4674	0.8457	2.0705
0.0958	0.2389	0.3458	0.8571	0.5958	1.4676	0.8458	2.0707
0.0959	0.2392	0.3459	0.8573	0.5959	1.4679	0.8459	2.0710
0.0960	0.2394	0.3460	0.8576	0.5960	1.4681	0.8460	2.0712
0.0961	0.2397	0.3461	0.8578	0.5961	1.4684	0.8461	2.0714
0.0962	0.2399	0.3462	0.8581	0.5962	1.4686	0.8462	2.0717
0.0963	0.2402	0.3463	0.8583	0.5963	1.4689	0.8463	2.0719
0.0964	0.2404	0.3464	0.8586	0.5964	1.4691	0.8464	2.0722
0.0965	0.2407	0.3465	0.8588	0.5965	1.4693	0.8465	2.0724
0.0966	0.2409	0.3466	0.8591	0.5966	1.4696	0.8466	2.0726
0.0967	0.2412	0.3467	0.8593	0.5967	1.4698	0.8467	2.0729
0.0968	0.2414	0.3468	0.8595	0.5968	1.4701	0.8468	2.0731
0.0969	0.2417	0.3469	0.8598	0.5969	1.4703	0.8469	2.0734
0.0970	0.2419	0.3470	0.8600	0.5970	1.4706	0.8470	2.0736
0.0971	0.2422	0.3471	0.8603	0.5971	1.4708	0.8471	2.0738
0.0972	0.2424	0.3472	0.8605	0.5972	1.4710	0.8472	2.0741
0.0973	0.2427	0.3473	0.8608	0.5973	1.4713	0.8473	2.0743
0.0974	0.2429	0.3474	0.8610	0.5974	1.4715	0.8474	2.0746
0.0975	0.2432	0.3475	0.8613	0.5975	1.4718	0.8475	2.0748
0.0976	0.2434	0.3476	0.8615	0.5976	1.4720	0.8476	2.0750
0.0977	0.2437	0.3477	0.8618	0.5977	1.4723	0.8477	2.0753
0.0978	0.2439	0.3478	0.8620	0.5978	1.4725	0.8478	2.0755
0.0979	0.2442	0.3479	0.8623	0.5979	1.4727	0.8479	2.0757
0.0980	0.2444	0.3480	0.8625	0.5980	1.4730	0.8480	2.0760
0.0981	0.2447	0.3481	0.8627	0.5981	1.4732	0.8481	2.0762
0.0982	0.2449	0.3482	0.8630	0.5982	1.4735	0.8482	2.0765
0.0983	0.2451	0.3483	0.8632	0.5983	1.4737	0.8483	2.0767
0.0984	0.2454	0.3484	0.8635	0.5984	1.4739	0.8484	2.0769
0.0985	0.2456	0.3485	0.8637	0.5985	1.4742	0.8485	2.0772
0.0986	0.2459	0.3486	0.8640	0.5986	1.4744	0.8486	2.0774
0.0987	0.2461	0.3487	0.8642	0.5987	1.4747	0.8487	2.0777
0.0988	0.2464	0.3488	0.8645	0.5988	1.4749	0.8488	2.0779
0.0989	0.2466	0.3489	0.8647	0.5989	1.4752	0.8489	2.0781
0.0990	0.2469	0.3490	0.8650	0.5990	1.4754	0.8490	2.0784
0.0991	0.2471	0.3491	0.8652	0.5991	1.4756	0.8491	2.0786
0.0992	0.2474	0.3492	0.8654	0.5992	1.4759	0.8492	2.0789
0.0993	0.2476	0.3493	0.8657	0.5993	1.4761	0.8493	2.0791
0.0994	0.2479	0.3494	0.8659	0.5994	1.4764	0.8494	2.0793
0.0995	0.2481	0.3495	0.8662	0.5995	1.4766	0.8495	2.0796
0.0996	0.2484	0.3496	0.8664	0.5996	1.4769	0.8496	2.0798
0.0997	0.2486	0.3497	0.8667	0.5997	1.4771	0.8497	2.0801
0.0998	0.2489	0.3498	0.8669	0.5998	1.4773	0.8498	2.0803
0.0999	0.2491	0.3499	0.8672	0.5999	1.4776	0.8499	2.0805
0.1000	0.2494	0.3500	0.8674	0.6000	1.4778	0.8500	2.0808
0.1001	0.2496	0.3501	0.8677	0.6001	1.4781	0.8501	2.0810
0.1002	0.2499	0.3502	0.8679	0.6002	1.4783	0.8502	2.0813
0.1003	0.2501	0.3503	0.8681	0.6003	1.4786	0.8503	2.0815



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1004	0.2504	0.3504	0.8684	0.6004	1.4788	0.8504	2.0817
0.1005	0.2506	0.3505	0.8686	0.6005	1.4790	0.8505	2.0820
0.1006	0.2509	0.3506	0.8689	0.6006	1.4793	0.8506	2.0822
0.1007	0.2511	0.3507	0.8691	0.6007	1.4795	0.8507	2.0825
0.1008	0.2514	0.3508	0.8694	0.6008	1.4798	0.8508	2.0827
0.1009	0.2516	0.3509	0.8696	0.6009	1.4800	0.8509	2.0829
0.1010	0.2519	0.3510	0.8699	0.6010	1.4803	0.8510	2.0832
0.1011	0.2521	0.3511	0.8701	0.6011	1.4805	0.8511	2.0834
0.1012	0.2524	0.3512	0.8704	0.6012	1.4807	0.8512	2.0837
0.1013	0.2526	0.3513	0.8706	0.6013	1.4810	0.8513	2.0839
0.1014	0.2529	0.3514	0.8708	0.6014	1.4812	0.8514	2.0841
0.1015	0.2531	0.3515	0.8711	0.6015	1.4815	0.8515	2.0844
0.1016	0.2534	0.3516	0.8713	0.6016	1.4817	0.8516	2.0846
0.1017	0.2536	0.3517	0.8716	0.6017	1.4820	0.8517	2.0849
0.1018	0.2539	0.3518	0.8718	0.6018	1.4822	0.8518	2.0851
0.1019	0.2541	0.3519	0.8721	0.6019	1.4824	0.8519	2.0853
0.1020	0.2544	0.3520	0.8723	0.6020	1.4827	0.8520	2.0856
0.1021	0.2546	0.3521	0.8726	0.6021	1.4829	0.8521	2.0858
0.1022	0.2548	0.3522	0.8728	0.6022	1.4832	0.8522	2.0861
0.1023	0.2551	0.3523	0.8731	0.6023	1.4834	0.8523	2.0863
0.1024	0.2553	0.3524	0.8733	0.6024	1.4837	0.8524	2.0865
0.1025	0.2556	0.3525	0.8736	0.6025	1.4839	0.8525	2.0868
0.1026	0.2558	0.3526	0.8738	0.6026	1.4841	0.8526	2.0870
0.1027	0.2561	0.3527	0.8740	0.6027	1.4844	0.8527	2.0873
0.1028	0.2563	0.3528	0.8743	0.6028	1.4846	0.8528	2.0875
0.1029	0.2566	0.3529	0.8745	0.6029	1.4849	0.8529	2.0877
0.1030	0.2568	0.3530	0.8748	0.6030	1.4851	0.8530	2.0880
0.1031	0.2571	0.3531	0.8750	0.6031	1.4854	0.8531	2.0882
0.1032	0.2573	0.3532	0.8753	0.6032	1.4856	0.8532	2.0885
0.1033	0.2576	0.3533	0.8755	0.6033	1.4858	0.8533	2.0887
0.1034	0.2578	0.3534	0.8758	0.6034	1.4861	0.8534	2.0889
0.1035	0.2581	0.3535	0.8760	0.6035	1.4863	0.8535	2.0892
0.1036	0.2583	0.3536	0.8763	0.6036	1.4866	0.8536	2.0894
0.1037	0.2586	0.3537	0.8765	0.6037	1.4868	0.8537	2.0897
0.1038	0.2588	0.3538	0.8767	0.6038	1.4871	0.8538	2.0899
0.1039	0.2591	0.3539	0.8770	0.6039	1.4873	0.8539	2.0901
0.1040	0.2593	0.3540	0.8772	0.6040	1.4875	0.8540	2.0904
0.1041	0.2596	0.3541	0.8775	0.6041	1.4878	0.8541	2.0906
0.1042	0.2598	0.3542	0.8777	0.6042	1.4880	0.8542	2.0908
0.1043	0.2601	0.3543	0.8780	0.6043	1.4883	0.8543	2.0911
0.1044	0.2603	0.3544	0.8782	0.6044	1.4885	0.8544	2.0913
0.1045	0.2606	0.3545	0.8785	0.6045	1.4888	0.8545	2.0916
0.1046	0.2608	0.3546	0.8787	0.6046	1.4890	0.8546	2.0918
0.1047	0.2611	0.3547	0.8790	0.6047	1.4892	0.8547	2.0920
0.1048	0.2613	0.3548	0.8792	0.6048	1.4895	0.8548	2.0923
0.1049	0.2616	0.3549	0.8794	0.6049	1.4897	0.8549	2.0925
0.1050	0.2618	0.3550	0.8797	0.6050	1.4900	0.8550	2.0928
0.1051	0.2621	0.3551	0.8799	0.6051	1.4902	0.8551	2.0930
0.1052	0.2623	0.3552	0.8802	0.6052	1.4904	0.8552	2.0932
0.1053	0.2626	0.3553	0.8804	0.6053	1.4907	0.8553	2.0935
0.1054	0.2628	0.3554	0.8807	0.6054	1.4909	0.8554	2.0937
0.1055	0.2631	0.3555	0.8809	0.6055	1.4912	0.8555	2.0940
0.1056	0.2633	0.3556	0.8812	0.6056	1.4914	0.8556	2.0942
0.1057	0.2636	0.3557	0.8814	0.6057	1.4917	0.8557	2.0944
0.1058	0.2638	0.3558	0.8817	0.6058	1.4919	0.8558	2.0947
0.1059	0.2641	0.3559	0.8819	0.6059	1.4921	0.8559	2.0949
0.1060	0.2643	0.3560	0.8821	0.6060	1.4924	0.8560	2.0952
0.1061	0.2645	0.3561	0.8824	0.6061	1.4926	0.8561	2.0954
0.1062	0.2648	0.3562	0.8826	0.6062	1.4929	0.8562	2.0956

RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.1063	0.2650	0.3563	0.8829	0.6063	1.4931	0.8563	2.0959
0.1064	0.2653	0.3564	0.8831	0.6064	1.4934	0.8564	2.0961
0.1065	0.2655	0.3565	0.8834	0.6065	1.4936	0.8565	2.0964
0.1066	0.2658	0.3566	0.8836	0.6066	1.4938	0.8566	2.0966
0.1067	0.2660	0.3567	0.8839	0.6067	1.4941	0.8567	2.0968
0.1068	0.2663	0.3568	0.8841	0.6068	1.4943	0.8568	2.0971
0.1069	0.2665	0.3569	0.8844	0.6069	1.4946	0.8569	2.0973
0.1070	0.2668	0.3570	0.8846	0.6070	1.4948	0.8570	2.0976
0.1071	0.2670	0.3571	0.8849	0.6071	1.4951	0.8571	2.0978
0.1072	0.2673	0.3572	0.8851	0.6072	1.4953	0.8572	2.0981
0.1073	0.2675	0.3573	0.8853	0.6073	1.4955	0.8573	2.0983
0.1074	0.2678	0.3574	0.8856	0.6074	1.4958	0.8574	2.0985
0.1075	0.2680	0.3575	0.8858	0.6075	1.4960	0.8575	2.0988
0.1076	0.2683	0.3576	0.8861	0.6076	1.4963	0.8576	2.0990
0.1077	0.2685	0.3577	0.8863	0.6077	1.4965	0.8577	2.0992
0.1078	0.2688	0.3578	0.8866	0.6078	1.4968	0.8578	2.0995
0.1079	0.2690	0.3579	0.8868	0.6079	1.4970	0.8579	2.0997
0.1080	0.2693	0.3580	0.8871	0.6080	1.4972	0.8580	2.1000
0.1081	0.2695	0.3581	0.8873	0.6081	1.4975	0.8581	2.1002
0.1082	0.2698	0.3582	0.8876	0.6082	1.4977	0.8582	2.1004
0.1083	0.2700	0.3583	0.8878	0.6083	1.4980	0.8583	2.1007
0.1084	0.2703	0.3584	0.8880	0.6084	1.4982	0.8584	2.1009
0.1085	0.2705	0.3585	0.8883	0.6085	1.4985	0.8585	2.1012
0.1086	0.2708	0.3586	0.8885	0.6086	1.4987	0.8586	2.1014
0.1087	0.2710	0.3587	0.8888	0.6087	1.4989	0.8587	2.1016
0.1088	0.2713	0.3588	0.8890	0.6088	1.4992	0.8588	2.1019
0.1089	0.2715	0.3589	0.8893	0.6089	1.4994	0.8589	2.1021
0.1090	0.2718	0.3590	0.8895	0.6090	1.4997	0.8590	2.1024
0.1091	0.2720	0.3591	0.8898	0.6091	1.4999	0.8591	2.1026
0.1092	0.2723	0.3592	0.8900	0.6092	1.5002	0.8592	2.1028
0.1093	0.2725	0.3593	0.8903	0.6093	1.5004	0.8593	2.1031
0.1094	0.2728	0.3594	0.8905	0.6094	1.5006	0.8594	2.1033
0.1095	0.2730	0.3595	0.8907	0.6095	1.5009	0.8595	2.1035
0.1096	0.2733	0.3596	0.8910	0.6096	1.5011	0.8596	2.1038
0.1097	0.2735	0.3597	0.8912	0.6097	1.5014	0.8597	2.1040
0.1098	0.2737	0.3598	0.8915	0.6098	1.5016	0.8598	2.1043
0.1099	0.2740	0.3599	0.8917	0.6099	1.5019	0.8599	2.1045
0.1100	0.2742	0.3600	0.8920	0.6100	1.5021	0.8600	2.1047
0.1101	0.2745	0.3601	0.8922	0.6101	1.5023	0.8601	2.1050
0.1102	0.2747	0.3602	0.8925	0.6102	1.5026	0.8602	2.1052
0.1103	0.2750	0.3603	0.8927	0.6103	1.5028	0.8603	2.1055
0.1104	0.2752	0.3604	0.8930	0.6104	1.5031	0.8604	2.1057
0.1105	0.2755	0.3605	0.8932	0.6105	1.5033	0.8605	2.1059
0.1106	0.2757	0.3606	0.8934	0.6106	1.5035	0.8606	2.1062
0.1107	0.2760	0.3607	0.8937	0.6107	1.5038	0.8607	2.1064
0.1108	0.2762	0.3608	0.8939	0.6108	1.5040	0.8608	2.1067
0.1109	0.2765	0.3609	0.8942	0.6109	1.5043	0.8609	2.1069
0.1110	0.2767	0.3610	0.8944	0.6110	1.5045	0.8610	2.1071
0.1111	0.2770	0.3611	0.8947	0.6111	1.5048	0.8611	2.1074
0.1112	0.2772	0.3612	0.8949	0.6112	1.5050	0.8612	2.1076
0.1113	0.2775	0.3613	0.8952	0.6113	1.5052	0.8613	2.1079
0.1114	0.2777	0.3614	0.8954	0.6114	1.5055	0.8614	2.1081
0.1115	0.2780	0.3615	0.8957	0.6115	1.5057	0.8615	2.1083
0.1116	0.2782	0.3616	0.8959	0.6116	1.5060	0.8616	2.1086
0.1117	0.2785	0.3617	0.8961	0.6117	1.5062	0.8617	2.1088
0.1118	0.2787	0.3618	0.8964	0.6118	1.5065	0.8618	2.1091
0.1119	0.2790	0.3619	0.8966	0.6119	1.5067	0.8619	2.1093
0.1120	0.2792	0.3620	0.8969	0.6120	1.5069	0.8620	2.1095
0.1121	0.2795	0.3621	0.8971	0.6121	1.5072	0.8621	2.1098

RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.1122	0.2797	0.3622	0.8974	0.6122	1.5074	0.8622	2.1100
0.1123	0.2800	0.3623	0.8976	0.6123	1.5077	0.8623	2.1103
0.1124	0.2802	0.3624	0.8979	0.6124	1.5079	0.8624	2.1105
0.1125	0.2805	0.3625	0.8981	0.6125	1.5082	0.8625	2.1107
0.1126	0.2807	0.3626	0.8984	0.6126	1.5084	0.8626	2.1110
0.1127	0.2810	0.3627	0.8986	0.6127	1.5086	0.8627	2.1112
0.1128	0.2812	0.3628	0.8988	0.6128	1.5089	0.8628	2.1115
0.1129	0.2815	0.3629	0.8991	0.6129	1.5091	0.8629	2.1117
0.1130	0.2817	0.3630	0.8993	0.6130	1.5094	0.8630	2.1119
0.1131	0.2820	0.3631	0.8996	0.6131	1.5096	0.8631	2.1122
0.1132	0.2822	0.3632	0.8998	0.6132	1.5099	0.8632	2.1124
0.1133	0.2825	0.3633	0.9001	0.6133	1.5101	0.8633	2.1127
0.1134	0.2827	0.3634	0.9003	0.6134	1.5103	0.8634	2.1129
0.1135	0.2829	0.3635	0.9006	0.6135	1.5106	0.8635	2.1131
0.1136	0.2832	0.3636	0.9008	0.6136	1.5108	0.8636	2.1134
0.1137	0.2834	0.3637	0.9011	0.6137	1.5111	0.8637	2.1136
0.1138	0.2837	0.3638	0.9013	0.6138	1.5113	0.8638	2.1139
0.1139	0.2839	0.3639	0.9015	0.6139	1.5116	0.8639	2.1141
0.1140	0.2842	0.3640	0.9018	0.6140	1.5118	0.8640	2.1143
0.1141	0.2844	0.3641	0.9020	0.6141	1.5120	0.8641	2.1146
0.1142	0.2847	0.3642	0.9023	0.6142	1.5123	0.8642	2.1148
0.1143	0.2849	0.3643	0.9025	0.6143	1.5125	0.8643	2.1150
0.1144	0.2852	0.3644	0.9028	0.6144	1.5128	0.8644	2.1153
0.1145	0.2854	0.3645	0.9030	0.6145	1.5130	0.8645	2.1155
0.1146	0.2857	0.3646	0.9033	0.6146	1.5132	0.8646	2.1158
0.1147	0.2859	0.3647	0.9035	0.6147	1.5135	0.8647	2.1160
0.1148	0.2862	0.3648	0.9038	0.6148	1.5137	0.8648	2.1162
0.1149	0.2864	0.3649	0.9040	0.6149	1.5140	0.8649	2.1165
0.1150	0.2867	0.3650	0.9042	0.6150	1.5142	0.8650	2.1167
0.1151	0.2869	0.3651	0.9045	0.6151	1.5145	0.8651	2.1170
0.1152	0.2872	0.3652	0.9047	0.6152	1.5147	0.8652	2.1172
0.1153	0.2874	0.3653	0.9050	0.6153	1.5149	0.8653	2.1174
0.1154	0.2877	0.3654	0.9052	0.6154	1.5152	0.8654	2.1177
0.1155	0.2879	0.3655	0.9055	0.6155	1.5154	0.8655	2.1179
0.1156	0.2882	0.3656	0.9057	0.6156	1.5157	0.8656	2.1182
0.1157	0.2884	0.3657	0.9060	0.6157	1.5159	0.8657	2.1184
0.1158	0.2887	0.3658	0.9062	0.6158	1.5162	0.8658	2.1186
0.1159	0.2889	0.3659	0.9065	0.6159	1.5164	0.8659	2.1189
0.1160	0.2892	0.3660	0.9067	0.6160	1.5166	0.8660	2.1191
0.1161	0.2894	0.3661	0.9069	0.6161	1.5169	0.8661	2.1194
0.1162	0.2897	0.3662	0.9072	0.6162	1.5171	0.8662	2.1196
0.1163	0.2899	0.3663	0.9074	0.6163	1.5174	0.8663	2.1199
0.1164	0.2902	0.3664	0.9077	0.6164	1.5176	0.8664	2.1201
0.1165	0.2904	0.3665	0.9079	0.6165	1.5179	0.8665	2.1203
0.1166	0.2907	0.3666	0.9082	0.6166	1.5181	0.8666	2.1206
0.1167	0.2909	0.3667	0.9084	0.6167	1.5183	0.8667	2.1208
0.1168	0.2911	0.3668	0.9087	0.6168	1.5186	0.8668	2.1210
0.1169	0.2914	0.3669	0.9089	0.6169	1.5188	0.8669	2.1213
0.1170	0.2916	0.3670	0.9092	0.6170	1.5191	0.8670	2.1215
0.1171	0.2919	0.3671	0.9094	0.6171	1.5193	0.8671	2.1218
0.1172	0.2921	0.3672	0.9096	0.6172	1.5196	0.8672	2.1220
0.1173	0.2924	0.3673	0.9099	0.6173	1.5198	0.8673	2.1222
0.1174	0.2926	0.3674	0.9101	0.6174	1.5200	0.8674	2.1225
0.1175	0.2929	0.3675	0.9104	0.6175	1.5203	0.8675	2.1227
0.1176	0.2931	0.3676	0.9106	0.6176	1.5205	0.8676	2.1230
0.1177	0.2934	0.3677	0.9109	0.6177	1.5208	0.8677	2.1232
0.1178	0.2936	0.3678	0.9111	0.6178	1.5210	0.8678	2.1234
0.1179	0.2939	0.3679	0.9114	0.6179	1.5213	0.8679	2.1237
0.1180	0.2941	0.3680	0.9116	0.6180	1.5215	0.8680	2.1239



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1181	0.2944	0.3681	0.9119	0.6181	1.5217	0.8681	2.1242
0.1182	0.2946	0.3682	0.9121	0.6182	1.5220	0.8682	2.1244
0.1183	0.2949	0.3683	0.9123	0.6183	1.5222	0.8683	2.1246
0.1184	0.2951	0.3684	0.9126	0.6184	1.5225	0.8684	2.1249
0.1185	0.2954	0.3685	0.9128	0.6185	1.5227	0.8685	2.1251
0.1186	0.2956	0.3686	0.9131	0.6186	1.5229	0.8686	2.1253
0.1187	0.2959	0.3687	0.9133	0.6187	1.5232	0.8687	2.1256
0.1188	0.2961	0.3688	0.9136	0.6188	1.5234	0.8688	2.1258
0.1189	0.2964	0.3689	0.9138	0.6189	1.5237	0.8689	2.1261
0.1190	0.2966	0.3690	0.9141	0.6190	1.5239	0.8690	2.1263
0.1191	0.2969	0.3691	0.9143	0.6191	1.5242	0.8691	2.1265
0.1192	0.2971	0.3692	0.9146	0.6192	1.5244	0.8692	2.1268
0.1193	0.2974	0.3693	0.9148	0.6193	1.5246	0.8693	2.1270
0.1194	0.2976	0.3694	0.9150	0.6194	1.5249	0.8694	2.1273
0.1195	0.2979	0.3695	0.9153	0.6195	1.5251	0.8695	2.1275
0.1196	0.2981	0.3696	0.9155	0.6196	1.5254	0.8696	2.1277
0.1197	0.2984	0.3697	0.9158	0.6197	1.5256	0.8697	2.1280
0.1198	0.2986	0.3698	0.9160	0.6198	1.5259	0.8698	2.1282
0.1199	0.2989	0.3699	0.9163	0.6199	1.5261	0.8699	2.1285
0.1200	0.2991	0.3700	0.9165	0.6200	1.5263	0.8700	2.1287
0.1201	0.2994	0.3701	0.9168	0.6201	1.5266	0.8701	2.1289
0.1202	0.2996	0.3702	0.9170	0.6202	1.5268	0.8702	2.1292
0.1203	0.2998	0.3703	0.9173	0.6203	1.5271	0.8703	2.1294
0.1204	0.3001	0.3704	0.9175	0.6204	1.5273	0.8704	2.1297
0.1205	0.3003	0.3705	0.9177	0.6205	1.5276	0.8705	2.1299
0.1206	0.3006	0.3706	0.9180	0.6206	1.5278	0.8706	2.1301
0.1207	0.3008	0.3707	0.9182	0.6207	1.5280	0.8707	2.1304
0.1208	0.3011	0.3708	0.9185	0.6208	1.5283	0.8708	2.1306
0.1209	0.3013	0.3709	0.9187	0.6209	1.5285	0.8709	2.1309
0.1210	0.3016	0.3710	0.9190	0.6210	1.5288	0.8710	2.1311
0.1211	0.3018	0.3711	0.9192	0.6211	1.5290	0.8711	2.1313
0.1212	0.3021	0.3712	0.9195	0.6212	1.5293	0.8712	2.1316
0.1213	0.3023	0.3713	0.9197	0.6213	1.5295	0.8713	2.1318
0.1214	0.3026	0.3714	0.9200	0.6214	1.5297	0.8714	2.1321
0.1215	0.3028	0.3715	0.9202	0.6215	1.5300	0.8715	2.1323
0.1216	0.3031	0.3716	0.9204	0.6216	1.5302	0.8716	2.1325
0.1217	0.3033	0.3717	0.9207	0.6217	1.5305	0.8717	2.1328
0.1218	0.3036	0.3718	0.9209	0.6218	1.5307	0.8718	2.1330
0.1219	0.3038	0.3719	0.9212	0.6219	1.5309	0.8719	2.1333
0.1220	0.3041	0.3720	0.9214	0.6220	1.5312	0.8720	2.1335
0.1221	0.3043	0.3721	0.9217	0.6221	1.5314	0.8721	2.1337
0.1222	0.3046	0.3722	0.9219	0.6222	1.5317	0.8722	2.1340
0.1223	0.3048	0.3723	0.9222	0.6223	1.5319	0.8723	2.1342
0.1224	0.3051	0.3724	0.9224	0.6224	1.5322	0.8724	2.1344
0.1225	0.3053	0.3725	0.9227	0.6225	1.5324	0.8725	2.1347
0.1226	0.3056	0.3726	0.9229	0.6226	1.5326	0.8726	2.1349
0.1227	0.3058	0.3727	0.9231	0.6227	1.5329	0.8727	2.1352
0.1228	0.3061	0.3728	0.9234	0.6228	1.5331	0.8728	2.1354
0.1229	0.3063	0.3729	0.9236	0.6229	1.5334	0.8729	2.1356
0.1230	0.3066	0.3730	0.9239	0.6230	1.5336	0.8730	2.1359
0.1231	0.3068	0.3731	0.9241	0.6231	1.5339	0.8731	2.1361
0.1232	0.3071	0.3732	0.9244	0.6232	1.5341	0.8732	2.1364
0.1233	0.3073	0.3733	0.9246	0.6233	1.5343	0.8733	2.1366
0.1234	0.3076	0.3734	0.9249	0.6234	1.5346	0.8734	2.1368
0.1235	0.3078	0.3735	0.9251	0.6235	1.5348	0.8735	2.1371
0.1236	0.3080	0.3736	0.9254	0.6236	1.5351	0.8736	2.1373
0.1237	0.3083	0.3737	0.9256	0.6237	1.5353	0.8737	2.1376
0.1238	0.3085	0.3738	0.9258	0.6238	1.5356	0.8738	2.1378
0.1239	0.3088	0.3739	0.9261	0.6239	1.5358	0.8739	2.1380

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1240	0.3090	0.3740	0.9263	0.6240	1.5360	0.8740	2.1383
0.1241	0.3093	0.3741	0.9266	0.6241	1.5363	0.8741	2.1385
0.1242	0.3095	0.3742	0.9268	0.6242	1.5365	0.8742	2.1388
0.1243	0.3098	0.3743	0.9271	0.6243	1.5368	0.8743	2.1390
0.1244	0.3100	0.3744	0.9273	0.6244	1.5370	0.8744	2.1392
0.1245	0.3103	0.3745	0.9276	0.6245	1.5372	0.8745	2.1395
0.1246	0.3105	0.3746	0.9278	0.6246	1.5375	0.8746	2.1397
0.1247	0.3108	0.3747	0.9281	0.6247	1.5377	0.8747	2.1400
0.1248	0.3110	0.3748	0.9283	0.6248	1.5380	0.8748	2.1402
0.1249	0.3113	0.3749	0.9285	0.6249	1.5382	0.8749	2.1404
0.1250	0.3115	0.3750	0.9288	0.6250	1.5385	0.8750	2.1407
0.1251	0.3118	0.3751	0.9290	0.6251	1.5387	0.8751	2.1409
0.1252	0.3120	0.3752	0.9293	0.6252	1.5389	0.8752	2.1412
0.1253	0.3123	0.3753	0.9295	0.6253	1.5392	0.8753	2.1414
0.1254	0.3125	0.3754	0.9298	0.6254	1.5394	0.8754	2.1416
0.1255	0.3128	0.3755	0.9300	0.6255	1.5397	0.8755	2.1419
0.1256	0.3130	0.3756	0.9303	0.6256	1.5399	0.8756	2.1421
0.1257	0.3133	0.3757	0.9305	0.6257	1.5402	0.8757	2.1423
0.1258	0.3135	0.3758	0.9308	0.6258	1.5404	0.8758	2.1426
0.1259	0.3138	0.3759	0.9310	0.6259	1.5406	0.8759	2.1428
0.1260	0.3140	0.3760	0.9312	0.6260	1.5409	0.8760	2.1431
0.1261	0.3143	0.3761	0.9315	0.6261	1.5411	0.8761	2.1433
0.1262	0.3145	0.3762	0.9317	0.6262	1.5414	0.8762	2.1435
0.1263	0.3148	0.3763	0.9320	0.6263	1.5416	0.8763	2.1438
0.1264	0.3150	0.3764	0.9322	0.6264	1.5419	0.8764	2.1440
0.1265	0.3153	0.3765	0.9325	0.6265	1.5421	0.8765	2.1443
0.1266	0.3155	0.3766	0.9327	0.6266	1.5423	0.8766	2.1445
0.1267	0.3157	0.3767	0.9330	0.6267	1.5426	0.8767	2.1447
0.1268	0.3160	0.3768	0.9332	0.6268	1.5428	0.8768	2.1450
0.1269	0.3162	0.3769	0.9335	0.6269	1.5431	0.8769	2.1452
0.1270	0.3165	0.3770	0.9337	0.6270	1.5433	0.8770	2.1455
0.1271	0.3167	0.3771	0.9339	0.6271	1.5436	0.8771	2.1457
0.1272	0.3170	0.3772	0.9342	0.6272	1.5438	0.8772	2.1459
0.1273	0.3172	0.3773	0.9344	0.6273	1.5440	0.8773	2.1462
0.1274	0.3175	0.3774	0.9347	0.6274	1.5443	0.8774	2.1464
0.1275	0.3177	0.3775	0.9349	0.6275	1.5445	0.8775	2.1467
0.1276	0.3180	0.3776	0.9352	0.6276	1.5448	0.8776	2.1469
0.1277	0.3182	0.3777	0.9354	0.6277	1.5450	0.8777	2.1471
0.1278	0.3185	0.3778	0.9357	0.6278	1.5452	0.8778	2.1474
0.1279	0.3187	0.3779	0.9359	0.6279	1.5455	0.8779	2.1476
0.1280	0.3190	0.3780	0.9362	0.6280	1.5457	0.8780	2.1479
0.1281	0.3192	0.3781	0.9364	0.6281	1.5460	0.8781	2.1481
0.1282	0.3195	0.3782	0.9366	0.6282	1.5462	0.8782	2.1483
0.1283	0.3197	0.3783	0.9369	0.6283	1.5465	0.8783	2.1486
0.1284	0.3200	0.3784	0.9371	0.6284	1.5467	0.8784	2.1488
0.1285	0.3202	0.3785	0.9374	0.6285	1.5469	0.8785	2.1491
0.1286	0.3205	0.3786	0.9376	0.6286	1.5472	0.8786	2.1493
0.1287	0.3207	0.3787	0.9379	0.6287	1.5474	0.8787	2.1495
0.1288	0.3210	0.3788	0.9381	0.6288	1.5477	0.8788	2.1498
0.1289	0.3212	0.3789	0.9384	0.6289	1.5479	0.8789	2.1500
0.1290	0.3215	0.3790	0.9386	0.6290	1.5482	0.8790	2.1502
0.1291	0.3217	0.3791	0.9389	0.6291	1.5484	0.8791	2.1505
0.1292	0.3220	0.3792	0.9391	0.6292	1.5486	0.8792	2.1507
0.1293	0.3222	0.3793	0.9393	0.6293	1.5489	0.8793	2.1510
0.1294	0.3225	0.3794	0.9396	0.6294	1.5491	0.8794	2.1512
0.1295	0.3227	0.3795	0.9398	0.6295	1.5494	0.8795	2.1514
0.1296	0.3230	0.3796	0.9401	0.6296	1.5496	0.8796	2.1517
0.1297	0.3232	0.3797	0.9403	0.6297	1.5499	0.8797	2.1519
0.1298	0.3235	0.3798	0.9406	0.6298	1.5501	0.8798	2.1522

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1299	0.3237	0.3799	0.9408	0.6299	1.5503	0.8799	2.1524
0.1300	0.3239	0.3800	0.9411	0.6300	1.5506	0.8800	2.1526
0.1301	0.3242	0.3801	0.9413	0.6301	1.5508	0.8801	2.1529
0.1302	0.3244	0.3802	0.9416	0.6302	1.5511	0.8802	2.1531
0.1303	0.3247	0.3803	0.9418	0.6303	1.5513	0.8803	2.1534
0.1304	0.3249	0.3804	0.9420	0.6304	1.5515	0.8804	2.1536
0.1305	0.3252	0.3805	0.9423	0.6305	1.5518	0.8805	2.1538
0.1306	0.3254	0.3806	0.9425	0.6306	1.5520	0.8806	2.1541
0.1307	0.3257	0.3807	0.9428	0.6307	1.5523	0.8807	2.1543
0.1308	0.3259	0.3808	0.9430	0.6308	1.5525	0.8808	2.1546
0.1309	0.3262	0.3809	0.9433	0.6309	1.5528	0.8809	2.1548
0.1310	0.3264	0.3810	0.9435	0.6310	1.5530	0.8810	2.1550
0.1311	0.3267	0.3811	0.9438	0.6311	1.5532	0.8811	2.1553
0.1312	0.3269	0.3812	0.9440	0.6312	1.5535	0.8812	2.1555
0.1313	0.3272	0.3813	0.9442	0.6313	1.5537	0.8813	2.1558
0.1314	0.3274	0.3814	0.9445	0.6314	1.5540	0.8814	2.1560
0.1315	0.3277	0.3815	0.9447	0.6315	1.5542	0.8815	2.1562
0.1316	0.3279	0.3816	0.9450	0.6316	1.5545	0.8816	2.1565
0.1317	0.3282	0.3817	0.9452	0.6317	1.5547	0.8817	2.1567
0.1318	0.3284	0.3818	0.9455	0.6318	1.5549	0.8818	2.1569
0.1319	0.3287	0.3819	0.9457	0.6319	1.5552	0.8819	2.1572
0.1320	0.3289	0.3820	0.9460	0.6320	1.5554	0.8820	2.1574
0.1321	0.3292	0.3821	0.9462	0.6321	1.5557	0.8821	2.1577
0.1322	0.3294	0.3822	0.9465	0.6322	1.5559	0.8822	2.1579
0.1323	0.3297	0.3823	0.9467	0.6323	1.5562	0.8823	2.1581
0.1324	0.3299	0.3824	0.9469	0.6324	1.5564	0.8824	2.1584
0.1325	0.3302	0.3825	0.9472	0.6325	1.5566	0.8825	2.1586
0.1326	0.3304	0.3826	0.9474	0.6326	1.5569	0.8826	2.1589
0.1327	0.3307	0.3827	0.9477	0.6327	1.5571	0.8827	2.1591
0.1328	0.3309	0.3828	0.9479	0.6328	1.5574	0.8828	2.1593
0.1329	0.3311	0.3829	0.9482	0.6329	1.5576	0.8829	2.1596
0.1330	0.3314	0.3830	0.9484	0.6330	1.5578	0.8830	2.1598
0.1331	0.3316	0.3831	0.9487	0.6331	1.5581	0.8831	2.1601
0.1332	0.3319	0.3832	0.9489	0.6332	1.5583	0.8832	2.1603
0.1333	0.3321	0.3833	0.9492	0.6333	1.5586	0.8833	2.1605
0.1334	0.3324	0.3834	0.9494	0.6334	1.5588	0.8834	2.1608
0.1335	0.3326	0.3835	0.9496	0.6335	1.5591	0.8835	2.1610
0.1336	0.3329	0.3836	0.9499	0.6336	1.5593	0.8836	2.1613
0.1337	0.3331	0.3837	0.9501	0.6337	1.5595	0.8837	2.1615
0.1338	0.3334	0.3838	0.9504	0.6338	1.5598	0.8838	2.1617
0.1339	0.3336	0.3839	0.9506	0.6339	1.5600	0.8839	2.1620
0.1340	0.3339	0.3840	0.9509	0.6340	1.5603	0.8840	2.1622
0.1341	0.3341	0.3841	0.9511	0.6341	1.5605	0.8841	2.1625
0.1342	0.3344	0.3842	0.9514	0.6342	1.5608	0.8842	2.1627
0.1343	0.3346	0.3843	0.9516	0.6343	1.5610	0.8843	2.1629
0.1344	0.3349	0.3844	0.9519	0.6344	1.5612	0.8844	2.1632
0.1345	0.3351	0.3845	0.9521	0.6345	1.5615	0.8845	2.1634
0.1346	0.3354	0.3846	0.9523	0.6346	1.5617	0.8846	2.1637
0.1347	0.3356	0.3847	0.9526	0.6347	1.5620	0.8847	2.1639
0.1348	0.3359	0.3848	0.9528	0.6348	1.5622	0.8848	2.1641
0.1349	0.3361	0.3849	0.9531	0.6349	1.5624	0.8849	2.1644
0.1350	0.3364	0.3850	0.9533	0.6350	1.5627	0.8850	2.1646
0.1351	0.3366	0.3851	0.9536	0.6351	1.5629	0.8851	2.1648
0.1352	0.3369	0.3852	0.9538	0.6352	1.5632	0.8852	2.1651
0.1353	0.3371	0.3853	0.9541	0.6353	1.5634	0.8853	2.1653
0.1354	0.3374	0.3854	0.9543	0.6354	1.5637	0.8854	2.1656
0.1355	0.3376	0.3855	0.9546	0.6355	1.5639	0.8855	2.1658
0.1356	0.3379	0.3856	0.9548	0.6356	1.5641	0.8856	2.1660
0.1357	0.3381	0.3857	0.9550	0.6357	1.5644	0.8857	2.1663



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1358	0.3384	0.3858	0.9553	0.6358	1.5646	0.8858	2.1665
0.1359	0.3386	0.3859	0.9555	0.6359	1.5649	0.8859	2.1668
0.1360	0.3388	0.3860	0.9558	0.6360	1.5651	0.8860	2.1670
0.1361	0.3391	0.3861	0.9560	0.6361	1.5654	0.8861	2.1672
0.1362	0.3393	0.3862	0.9563	0.6362	1.5656	0.8862	2.1675
0.1363	0.3396	0.3863	0.9565	0.6363	1.5658	0.8863	2.1677
0.1364	0.3398	0.3864	0.9568	0.6364	1.5661	0.8864	2.1680
0.1365	0.3401	0.3865	0.9570	0.6365	1.5663	0.8865	2.1682
0.1366	0.3403	0.3866	0.9572	0.6366	1.5666	0.8866	2.1684
0.1367	0.3406	0.3867	0.9575	0.6367	1.5668	0.8867	2.1687
0.1368	0.3408	0.3868	0.9577	0.6368	1.5671	0.8868	2.1689
0.1369	0.3411	0.3869	0.9580	0.6369	1.5673	0.8869	2.1692
0.1370	0.3413	0.3870	0.9582	0.6370	1.5675	0.8870	2.1694
0.1371	0.3416	0.3871	0.9585	0.6371	1.5678	0.8871	2.1696
0.1372	0.3418	0.3872	0.9587	0.6372	1.5680	0.8872	2.1699
0.1373	0.3421	0.3873	0.9590	0.6373	1.5683	0.8873	2.1701
0.1374	0.3423	0.3874	0.9592	0.6374	1.5685	0.8874	2.1704
0.1375	0.3426	0.3875	0.9595	0.6375	1.5687	0.8875	2.1706
0.1376	0.3428	0.3876	0.9597	0.6376	1.5690	0.8876	2.1708
0.1377	0.3431	0.3877	0.9599	0.6377	1.5692	0.8877	2.1711
0.1378	0.3433	0.3878	0.9602	0.6378	1.5695	0.8878	2.1713
0.1379	0.3436	0.3879	0.9604	0.6379	1.5697	0.8879	2.1715
0.1380	0.3438	0.3880	0.9607	0.6380	1.5700	0.8880	2.1718
0.1381	0.3441	0.3881	0.9609	0.6381	1.5702	0.8881	2.1720
0.1382	0.3443	0.3882	0.9612	0.6382	1.5704	0.8882	2.1723
0.1383	0.3446	0.3883	0.9614	0.6383	1.5707	0.8883	2.1725
0.1384	0.3448	0.3884	0.9617	0.6384	1.5709	0.8884	2.1727
0.1385	0.3451	0.3885	0.9619	0.6385	1.5712	0.8885	2.1730
0.1386	0.3453	0.3886	0.9622	0.6386	1.5714	0.8886	2.1732
0.1387	0.3456	0.3887	0.9624	0.6387	1.5717	0.8887	2.1735
0.1388	0.3458	0.3888	0.9626	0.6388	1.5719	0.8888	2.1737
0.1389	0.3460	0.3889	0.9629	0.6389	1.5721	0.8889	2.1739
0.1390	0.3463	0.3890	0.9631	0.6390	1.5724	0.8890	2.1742
0.1391	0.3465	0.3891	0.9634	0.6391	1.5726	0.8891	2.1744
0.1392	0.3468	0.3892	0.9636	0.6392	1.5729	0.8892	2.1747
0.1393	0.3470	0.3893	0.9639	0.6393	1.5731	0.8893	2.1749
0.1394	0.3473	0.3894	0.9641	0.6394	1.5733	0.8894	2.1751
0.1395	0.3475	0.3895	0.9644	0.6395	1.5736	0.8895	2.1754
0.1396	0.3478	0.3896	0.9646	0.6396	1.5738	0.8896	2.1756
0.1397	0.3480	0.3897	0.9648	0.6397	1.5741	0.8897	2.1759
0.1398	0.3483	0.3898	0.9651	0.6398	1.5743	0.8898	2.1761
0.1399	0.3485	0.3899	0.9653	0.6399	1.5746	0.8899	2.1763
0.1400	0.3488	0.3900	0.9656	0.6400	1.5748	0.8900	2.1766
0.1401	0.3490	0.3901	0.9658	0.6401	1.5750	0.8901	2.1768
0.1402	0.3493	0.3902	0.9661	0.6402	1.5753	0.8902	2.1770
0.1403	0.3495	0.3903	0.9663	0.6403	1.5755	0.8903	2.1773
0.1404	0.3498	0.3904	0.9666	0.6404	1.5758	0.8904	2.1775
0.1405	0.3500	0.3905	0.9668	0.6405	1.5760	0.8905	2.1778
0.1406	0.3503	0.3906	0.9671	0.6406	1.5763	0.8906	2.1780
0.1407	0.3505	0.3907	0.9673	0.6407	1.5765	0.8907	2.1782
0.1408	0.3508	0.3908	0.9675	0.6408	1.5767	0.8908	2.1785
0.1409	0.3510	0.3909	0.9678	0.6409	1.5770	0.8909	2.1787
0.1410	0.3513	0.3910	0.9680	0.6410	1.5772	0.8910	2.1790
0.1411	0.3515	0.3911	0.9683	0.6411	1.5775	0.8911	2.1792
0.1412	0.3518	0.3912	0.9685	0.6412	1.5777	0.8912	2.1794
0.1413	0.3520	0.3913	0.9688	0.6413	1.5780	0.8913	2.1797
0.1414	0.3523	0.3914	0.9690	0.6414	1.5782	0.8914	2.1799
0.1415	0.3525	0.3915	0.9693	0.6415	1.5784	0.8915	2.1802
0.1416	0.3528	0.3916	0.9695	0.6416	1.5787	0.8916	2.1804

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1417	0.3530	0.3917	0.9698	0.6417	1.5789	0.8917	2.1806
0.1418	0.3532	0.3918	0.9700	0.6418	1.5792	0.8918	2.1809
0.1419	0.3535	0.3919	0.9702	0.6419	1.5794	0.8919	2.1811
0.1420	0.3537	0.3920	0.9705	0.6420	1.5796	0.8920	2.1814
0.1421	0.3540	0.3921	0.9707	0.6421	1.5799	0.8921	2.1816
0.1422	0.3542	0.3922	0.9710	0.6422	1.5801	0.8922	2.1818
0.1423	0.3545	0.3923	0.9712	0.6423	1.5804	0.8923	2.1821
0.1424	0.3547	0.3924	0.9715	0.6424	1.5806	0.8924	2.1823
0.1425	0.3550	0.3925	0.9717	0.6425	1.5809	0.8925	2.1826
0.1426	0.3552	0.3926	0.9720	0.6426	1.5811	0.8926	2.1828
0.1427	0.3555	0.3927	0.9722	0.6427	1.5813	0.8927	2.1830
0.1428	0.3557	0.3928	0.9725	0.6428	1.5816	0.8928	2.1833
0.1429	0.3560	0.3929	0.9727	0.6429	1.5818	0.8929	2.1835
0.1430	0.3562	0.3930	0.9729	0.6430	1.5821	0.8930	2.1837
0.1431	0.3565	0.3931	0.9732	0.6431	1.5823	0.8931	2.1840
0.1432	0.3567	0.3932	0.9734	0.6432	1.5826	0.8932	2.1842
0.1433	0.3570	0.3933	0.9737	0.6433	1.5828	0.8933	2.1845
0.1434	0.3572	0.3934	0.9739	0.6434	1.5830	0.8934	2.1847
0.1435	0.3575	0.3935	0.9742	0.6435	1.5833	0.8935	2.1849
0.1436	0.3577	0.3936	0.9744	0.6436	1.5835	0.8936	2.1852
0.1437	0.3580	0.3937	0.9747	0.6437	1.5838	0.8937	2.1854
0.1438	0.3582	0.3938	0.9749	0.6438	1.5840	0.8938	2.1857
0.1439	0.3585	0.3939	0.9751	0.6439	1.5842	0.8939	2.1859
0.1440	0.3587	0.3940	0.9754	0.6440	1.5845	0.8940	2.1861
0.1441	0.3590	0.3941	0.9756	0.6441	1.5847	0.8941	2.1864
0.1442	0.3592	0.3942	0.9759	0.6442	1.5850	0.8942	2.1866
0.1443	0.3595	0.3943	0.9761	0.6443	1.5852	0.8943	2.1869
0.1444	0.3597	0.3944	0.9764	0.6444	1.5855	0.8944	2.1871
0.1445	0.3599	0.3945	0.9766	0.6445	1.5857	0.8945	2.1873
0.1446	0.3602	0.3946	0.9769	0.6446	1.5859	0.8946	2.1876
0.1447	0.3604	0.3947	0.9771	0.6447	1.5862	0.8947	2.1878
0.1448	0.3607	0.3948	0.9774	0.6448	1.5864	0.8948	2.1881
0.1449	0.3609	0.3949	0.9776	0.6449	1.5867	0.8949	2.1883
0.1450	0.3612	0.3950	0.9778	0.6450	1.5869	0.8950	2.1885
0.1451	0.3614	0.3951	0.9781	0.6451	1.5872	0.8951	2.1888
0.1452	0.3617	0.3952	0.9783	0.6452	1.5874	0.8952	2.1890
0.1453	0.3619	0.3953	0.9786	0.6453	1.5876	0.8953	2.1892
0.1454	0.3622	0.3954	0.9788	0.6454	1.5879	0.8954	2.1895
0.1455	0.3624	0.3955	0.9791	0.6455	1.5881	0.8955	2.1897
0.1456	0.3627	0.3956	0.9793	0.6456	1.5884	0.8956	2.1900
0.1457	0.3629	0.3957	0.9796	0.6457	1.5886	0.8957	2.1902
0.1458	0.3632	0.3958	0.9798	0.6458	1.5888	0.8958	2.1904
0.1459	0.3634	0.3959	0.9801	0.6459	1.5891	0.8959	2.1907
0.1460	0.3637	0.3960	0.9803	0.6460	1.5893	0.8960	2.1909
0.1461	0.3639	0.3961	0.9805	0.6461	1.5896	0.8961	2.1912
0.1462	0.3642	0.3962	0.9808	0.6462	1.5898	0.8962	2.1914
0.1463	0.3644	0.3963	0.9810	0.6463	1.5901	0.8963	2.1916
0.1464	0.3647	0.3964	0.9813	0.6464	1.5903	0.8964	2.1919
0.1465	0.3649	0.3965	0.9815	0.6465	1.5905	0.8965	2.1921
0.1466	0.3652	0.3966	0.9818	0.6466	1.5908	0.8966	2.1924
0.1467	0.3654	0.3967	0.9820	0.6467	1.5910	0.8967	2.1926
0.1468	0.3657	0.3968	0.9823	0.6468	1.5913	0.8968	2.1928
0.1469	0.3659	0.3969	0.9825	0.6469	1.5915	0.8969	2.1931
0.1470	0.3662	0.3970	0.9827	0.6470	1.5918	0.8970	2.1933
0.1471	0.3664	0.3971	0.9830	0.6471	1.5920	0.8971	2.1936
0.1472	0.3667	0.3972	0.9832	0.6472	1.5922	0.8972	2.1938
0.1473	0.3669	0.3973	0.9835	0.6473	1.5925	0.8973	2.1940
0.1474	0.3671	0.3974	0.9837	0.6474	1.5927	0.8974	2.1943
0.1475	0.3674	0.3975	0.9840	0.6475	1.5930	0.8975	2.1945

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1476	0.3676	0.3976	0.9842	0.6476	1.5932	0.8976	2.1947
0.1477	0.3679	0.3977	0.9845	0.6477	1.5934	0.8977	2.1950
0.1478	0.3681	0.3978	0.9847	0.6478	1.5937	0.8978	2.1952
0.1479	0.3684	0.3979	0.9850	0.6479	1.5939	0.8979	2.1955
0.1480	0.3686	0.3980	0.9852	0.6480	1.5942	0.8980	2.1957
0.1481	0.3689	0.3981	0.9854	0.6481	1.5944	0.8981	2.1959
0.1482	0.3691	0.3982	0.9857	0.6482	1.5947	0.8982	2.1962
0.1483	0.3694	0.3983	0.9859	0.6483	1.5949	0.8983	2.1964
0.1484	0.3696	0.3984	0.9862	0.6484	1.5951	0.8984	2.1967
0.1485	0.3699	0.3985	0.9864	0.6485	1.5954	0.8985	2.1969
0.1486	0.3701	0.3986	0.9867	0.6486	1.5956	0.8986	2.1971
0.1487	0.3704	0.3987	0.9869	0.6487	1.5959	0.8987	2.1974
0.1488	0.3706	0.3988	0.9872	0.6488	1.5961	0.8988	2.1976
0.1489	0.3709	0.3989	0.9874	0.6489	1.5964	0.8989	2.1979
0.1490	0.3711	0.3990	0.9876	0.6490	1.5966	0.8990	2.1981
0.1491	0.3714	0.3991	0.9879	0.6491	1.5968	0.8991	2.1983
0.1492	0.3716	0.3992	0.9881	0.6492	1.5971	0.8992	2.1986
0.1493	0.3719	0.3993	0.9884	0.6493	1.5973	0.8993	2.1988
0.1494	0.3721	0.3994	0.9886	0.6494	1.5976	0.8994	2.1991
0.1495	0.3724	0.3995	0.9889	0.6495	1.5978	0.8995	2.1993
0.1496	0.3726	0.3996	0.9891	0.6496	1.5980	0.8996	2.1995
0.1497	0.3729	0.3997	0.9894	0.6497	1.5983	0.8997	2.1998
0.1498	0.3731	0.3998	0.9896	0.6498	1.5985	0.8998	2.2000
0.1499	0.3734	0.3999	0.9899	0.6499	1.5988	0.8999	2.2002
0.1500	0.3736	0.4000	0.9901	0.6500	1.5990	0.9000	2.2005
0.1501	0.3738	0.4001	0.9903	0.6501	1.5993	0.9001	2.2007
0.1502	0.3741	0.4002	0.9906	0.6502	1.5995	0.9002	2.2010
0.1503	0.3743	0.4003	0.9908	0.6503	1.5997	0.9003	2.2012
0.1504	0.3746	0.4004	0.9911	0.6504	1.6000	0.9004	2.2014
0.1505	0.3748	0.4005	0.9913	0.6505	1.6002	0.9005	2.2017
0.1506	0.3751	0.4006	0.9916	0.6506	1.6005	0.9006	2.2019
0.1507	0.3753	0.4007	0.9918	0.6507	1.6007	0.9007	2.2022
0.1508	0.3756	0.4008	0.9921	0.6508	1.6010	0.9008	2.2024
0.1509	0.3758	0.4009	0.9923	0.6509	1.6012	0.9009	2.2026
0.1510	0.3761	0.4010	0.9925	0.6510	1.6014	0.9010	2.2029
0.1511	0.3763	0.4011	0.9928	0.6511	1.6017	0.9011	2.2031
0.1512	0.3766	0.4012	0.9930	0.6512	1.6019	0.9012	2.2034
0.1513	0.3768	0.4013	0.9933	0.6513	1.6022	0.9013	2.2036
0.1514	0.3771	0.4014	0.9935	0.6514	1.6024	0.9014	2.2038
0.1515	0.3773	0.4015	0.9938	0.6515	1.6026	0.9015	2.2041
0.1516	0.3776	0.4016	0.9940	0.6516	1.6029	0.9016	2.2043
0.1517	0.3778	0.4017	0.9943	0.6517	1.6031	0.9017	2.2046
0.1518	0.3781	0.4018	0.9945	0.6518	1.6034	0.9018	2.2048
0.1519	0.3783	0.4019	0.9948	0.6519	1.6036	0.9019	2.2050
0.1520	0.3786	0.4020	0.9950	0.6520	1.6039	0.9020	2.2053
0.1521	0.3788	0.4021	0.9952	0.6521	1.6041	0.9021	2.2055
0.1522	0.3791	0.4022	0.9955	0.6522	1.6043	0.9022	2.2057
0.1523	0.3793	0.4023	0.9957	0.6523	1.6046	0.9023	2.2060
0.1524	0.3796	0.4024	0.9960	0.6524	1.6048	0.9024	2.2062
0.1525	0.3798	0.4025	0.9962	0.6525	1.6051	0.9025	2.2065
0.1526	0.3801	0.4026	0.9965	0.6526	1.6053	0.9026	2.2067
0.1527	0.3803	0.4027	0.9967	0.6527	1.6056	0.9027	2.2069
0.1528	0.3805	0.4028	0.9970	0.6528	1.6058	0.9028	2.2072
0.1529	0.3808	0.4029	0.9972	0.6529	1.6060	0.9029	2.2074
0.1530	0.3810	0.4030	0.9975	0.6530	1.6063	0.9030	2.2077
0.1531	0.3813	0.4031	0.9977	0.6531	1.6065	0.9031	2.2079
0.1532	0.3815	0.4032	0.9979	0.6532	1.6068	0.9032	2.2081
0.1533	0.3818	0.4033	0.9982	0.6533	1.6070	0.9033	2.2084
0.1534	0.3820	0.4034	0.9984	0.6534	1.6072	0.9034	2.2086



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1535	0.3823	0.4035	0.9987	0.6535	1.6075	0.9035	2.2089
0.1536	0.3825	0.4036	0.9989	0.6536	1.6077	0.9036	2.2091
0.1537	0.3828	0.4037	0.9992	0.6537	1.6080	0.9037	2.2093
0.1538	0.3830	0.4038	0.9994	0.6538	1.6082	0.9038	2.2096
0.1539	0.3833	0.4039	0.9997	0.6539	1.6085	0.9039	2.2098
0.1540	0.3835	0.4040	0.9999	0.6540	1.6087	0.9040	2.2101
0.1541	0.3838	0.4041	1.0001	0.6541	1.6089	0.9041	2.2103
0.1542	0.3840	0.4042	1.0004	0.6542	1.6092	0.9042	2.2105
0.1543	0.3843	0.4043	1.0006	0.6543	1.6094	0.9043	2.2108
0.1544	0.3845	0.4044	1.0009	0.6544	1.6097	0.9044	2.2110
0.1545	0.3848	0.4045	1.0011	0.6545	1.6099	0.9045	2.2112
0.1546	0.3850	0.4046	1.0014	0.6546	1.6101	0.9046	2.2115
0.1547	0.3853	0.4047	1.0016	0.6547	1.6104	0.9047	2.2117
0.1548	0.3855	0.4048	1.0019	0.6548	1.6106	0.9048	2.2120
0.1549	0.3858	0.4049	1.0021	0.6549	1.6109	0.9049	2.2122
0.1550	0.3860	0.4050	1.0024	0.6550	1.6111	0.9050	2.2124
0.1551	0.3863	0.4051	1.0026	0.6551	1.6114	0.9051	2.2127
0.1552	0.3865	0.4052	1.0028	0.6552	1.6116	0.9052	2.2129
0.1553	0.3867	0.4053	1.0031	0.6553	1.6118	0.9053	2.2132
0.1554	0.3870	0.4054	1.0033	0.6554	1.6121	0.9054	2.2134
0.1555	0.3872	0.4055	1.0036	0.6555	1.6123	0.9055	2.2136
0.1556	0.3875	0.4056	1.0038	0.6556	1.6126	0.9056	2.2139
0.1557	0.3877	0.4057	1.0041	0.6557	1.6128	0.9057	2.2141
0.1558	0.3880	0.4058	1.0043	0.6558	1.6131	0.9058	2.2144
0.1559	0.3882	0.4059	1.0046	0.6559	1.6133	0.9059	2.2146
0.1560	0.3885	0.4060	1.0048	0.6560	1.6135	0.9060	2.2148
0.1561	0.3887	0.4061	1.0050	0.6561	1.6138	0.9061	2.2151
0.1562	0.3890	0.4062	1.0053	0.6562	1.6140	0.9062	2.2153
0.1563	0.3892	0.4063	1.0055	0.6563	1.6143	0.9063	2.2156
0.1564	0.3895	0.4064	1.0058	0.6564	1.6145	0.9064	2.2158
0.1565	0.3897	0.4065	1.0060	0.6565	1.6147	0.9065	2.2160
0.1566	0.3900	0.4066	1.0063	0.6566	1.6150	0.9066	2.2163
0.1567	0.3902	0.4067	1.0065	0.6567	1.6152	0.9067	2.2165
0.1568	0.3905	0.4068	1.0068	0.6568	1.6155	0.9068	2.2167
0.1569	0.3907	0.4069	1.0070	0.6569	1.6157	0.9069	2.2170
0.1570	0.3910	0.4070	1.0073	0.6570	1.6160	0.9070	2.2172
0.1571	0.3912	0.4071	1.0075	0.6571	1.6162	0.9071	2.2175
0.1572	0.3915	0.4072	1.0077	0.6572	1.6164	0.9072	2.2177
0.1573	0.3917	0.4073	1.0080	0.6573	1.6167	0.9073	2.2179
0.1574	0.3920	0.4074	1.0082	0.6574	1.6169	0.9074	2.2182
0.1575	0.3922	0.4075	1.0085	0.6575	1.6172	0.9075	2.2184
0.1576	0.3925	0.4076	1.0087	0.6576	1.6174	0.9076	2.2187
0.1577	0.3927	0.4077	1.0090	0.6577	1.6177	0.9077	2.2189
0.1578	0.3929	0.4078	1.0092	0.6578	1.6179	0.9078	2.2191
0.1579	0.3932	0.4079	1.0095	0.6579	1.6181	0.9079	2.2194
0.1580	0.3934	0.4080	1.0097	0.6580	1.6184	0.9080	2.2196
0.1581	0.3937	0.4081	1.0099	0.6581	1.6186	0.9081	2.2199
0.1582	0.3939	0.4082	1.0102	0.6582	1.6189	0.9082	2.2201
0.1583	0.3942	0.4083	1.0104	0.6583	1.6191	0.9083	2.2203
0.1584	0.3944	0.4084	1.0107	0.6584	1.6193	0.9084	2.2206
0.1585	0.3947	0.4085	1.0109	0.6585	1.6196	0.9085	2.2208
0.1586	0.3949	0.4086	1.0112	0.6586	1.6198	0.9086	2.2210
0.1587	0.3952	0.4087	1.0114	0.6587	1.6201	0.9087	2.2213
0.1588	0.3954	0.4088	1.0117	0.6588	1.6203	0.9088	2.2215
0.1589	0.3957	0.4089	1.0119	0.6589	1.6206	0.9089	2.2218
0.1590	0.3959	0.4090	1.0122	0.6590	1.6208	0.9090	2.2220
0.1591	0.3962	0.4091	1.0124	0.6591	1.6210	0.9091	2.2222
0.1592	0.3964	0.4092	1.0126	0.6592	1.6213	0.9092	2.2225
0.1593	0.3967	0.4093	1.0129	0.6593	1.6215	0.9093	2.2227

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1594	0.3969	0.4094	1.0131	0.6594	1.6218	0.9094	2.2237
0.1595	0.3972	0.4095	1.0134	0.6595	1.6220	0.9095	2.2232
0.1596	0.3974	0.4096	1.0136	0.6596	1.6222	0.9096	2.2234
0.1597	0.3977	0.4097	1.0139	0.6597	1.6225	0.9097	2.2237
0.1598	0.3979	0.4098	1.0141	0.6598	1.6227	0.9098	2.2239
0.1599	0.3982	0.4099	1.0144	0.6599	1.6230	0.9099	2.2242
0.1600	0.3984	0.4100	1.0146	0.6600	1.6232	0.9100	2.2244
0.1601	0.3987	0.4101	1.0148	0.6601	1.6235	0.9101	2.2246
0.1602	0.3989	0.4102	1.0151	0.6602	1.6237	0.9102	2.2249
0.1603	0.3992	0.4103	1.0153	0.6603	1.6239	0.9103	2.2251
0.1604	0.3994	0.4104	1.0156	0.6604	1.6242	0.9104	2.2254
0.1605	0.3996	0.4105	1.0158	0.6605	1.6244	0.9105	2.2256
0.1606	0.3999	0.4106	1.0161	0.6606	1.6247	0.9106	2.2258
0.1607	0.4001	0.4107	1.0163	0.6607	1.6249	0.9107	2.2261
0.1608	0.4004	0.4108	1.0166	0.6608	1.6252	0.9108	2.2263
0.1609	0.4006	0.4109	1.0168	0.6609	1.6254	0.9109	2.2265
0.1610	0.4009	0.4110	1.0170	0.6610	1.6256	0.9110	2.2268
0.1611	0.4011	0.4111	1.0173	0.6611	1.6259	0.9111	2.2270
0.1612	0.4014	0.4112	1.0175	0.6612	1.6261	0.9112	2.2273
0.1613	0.4016	0.4113	1.0178	0.6613	1.6264	0.9113	2.2275
0.1614	0.4019	0.4114	1.0180	0.6614	1.6266	0.9114	2.2277
0.1615	0.4021	0.4115	1.0183	0.6615	1.6268	0.9115	2.2280
0.1616	0.4024	0.4116	1.0185	0.6616	1.6271	0.9116	2.2282
0.1617	0.4026	0.4117	1.0188	0.6617	1.6273	0.9117	2.2285
0.1618	0.4029	0.4118	1.0190	0.6618	1.6276	0.9118	2.2287
0.1619	0.4031	0.4119	1.0193	0.6619	1.6278	0.9119	2.2289
0.1620	0.4034	0.4120	1.0195	0.6620	1.6281	0.9120	2.2292
0.1621	0.4036	0.4121	1.0197	0.6621	1.6283	0.9121	2.2294
0.1622	0.4039	0.4122	1.0200	0.6622	1.6285	0.9122	2.2297
0.1623	0.4041	0.4123	1.0202	0.6623	1.6288	0.9123	2.2299
0.1624	0.4044	0.4124	1.0205	0.6624	1.6290	0.9124	2.2301
0.1625	0.4046	0.4125	1.0207	0.6625	1.6293	0.9125	2.2304
0.1626	0.4049	0.4126	1.0210	0.6626	1.6295	0.9126	2.2306
0.1627	0.4051	0.4127	1.0212	0.6627	1.6297	0.9127	2.2308
0.1628	0.4054	0.4128	1.0215	0.6628	1.6300	0.9128	2.2311
0.1629	0.4056	0.4129	1.0217	0.6629	1.6302	0.9129	2.2313
0.1630	0.4058	0.4130	1.0219	0.6630	1.6305	0.9130	2.2316
0.1631	0.4061	0.4131	1.0222	0.6631	1.6307	0.9131	2.2318
0.1632	0.4063	0.4132	1.0224	0.6632	1.6310	0.9132	2.2320
0.1633	0.4066	0.4133	1.0227	0.6633	1.6312	0.9133	2.2323
0.1634	0.4068	0.4134	1.0229	0.6634	1.6314	0.9134	2.2325
0.1635	0.4071	0.4135	1.0232	0.6635	1.6317	0.9135	2.2328
0.1636	0.4073	0.4136	1.0234	0.6636	1.6319	0.9136	2.2330
0.1637	0.4076	0.4137	1.0237	0.6637	1.6322	0.9137	2.2332
0.1638	0.4078	0.4138	1.0239	0.6638	1.6324	0.9138	2.2335
0.1639	0.4081	0.4139	1.0242	0.6639	1.6327	0.9139	2.2337
0.1640	0.4083	0.4140	1.0244	0.6640	1.6329	0.9140	2.2340
0.1641	0.4086	0.4141	1.0246	0.6641	1.6331	0.9141	2.2342
0.1642	0.4088	0.4142	1.0249	0.6642	1.6334	0.9142	2.2344
0.1643	0.4091	0.4143	1.0251	0.6643	1.6336	0.9143	2.2347
0.1644	0.4093	0.4144	1.0254	0.6644	1.6339	0.9144	2.2349
0.1645	0.4096	0.4145	1.0256	0.6645	1.6341	0.9145	2.2351
0.1646	0.4098	0.4146	1.0259	0.6646	1.6343	0.9146	2.2354
0.1647	0.4101	0.4147	1.0261	0.6647	1.6346	0.9147	2.2356
0.1648	0.4103	0.4148	1.0264	0.6648	1.6348	0.9148	2.2359
0.1649	0.4106	0.4149	1.0266	0.6649	1.6351	0.9149	2.2361
0.1650	0.4108	0.4150	1.0268	0.6650	1.6353	0.9150	2.2363
0.1651	0.4111	0.4151	1.0271	0.6651	1.6356	0.9151	2.2366
0.1652	0.4113	0.4152	1.0273	0.6652	1.6358	0.9152	2.2368

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1653	0.4115	0.4153	1.0276	0.6653	1.6360	0.9153	2.2371
0.1654	0.4118	0.4154	1.0278	0.6654	1.6363	0.9154	2.2373
0.1655	0.4120	0.4155	1.0281	0.6655	1.6365	0.9155	2.2375
0.1656	0.4123	0.4156	1.0283	0.6656	1.6368	0.9156	2.2378
0.1657	0.4125	0.4157	1.0286	0.6657	1.6370	0.9157	2.2380
0.1658	0.4128	0.4158	1.0288	0.6658	1.6372	0.9158	2.2383
0.1659	0.4130	0.4159	1.0291	0.6659	1.6375	0.9159	2.2385
0.1660	0.4133	0.4160	1.0293	0.6660	1.6377	0.9160	2.2387
0.1661	0.4135	0.4161	1.0295	0.6661	1.6380	0.9161	2.2389
0.1662	0.4138	0.4162	1.0298	0.6662	1.6382	0.9162	2.2392
0.1663	0.4140	0.4163	1.0300	0.6663	1.6385	0.9163	2.2394
0.1664	0.4143	0.4164	1.0303	0.6664	1.6387	0.9164	2.2397
0.1665	0.4145	0.4165	1.0305	0.6665	1.6389	0.9165	2.2399
0.1666	0.4148	0.4166	1.0308	0.6666	1.6392	0.9166	2.2402
0.1667	0.4150	0.4167	1.0310	0.6667	1.6394	0.9167	2.2404
0.1668	0.4153	0.4168	1.0313	0.6668	1.6397	0.9168	2.2406
0.1669	0.4155	0.4169	1.0315	0.6669	1.6399	0.9169	2.2409
0.1670	0.4158	0.4170	1.0317	0.6670	1.6402	0.9170	2.2411
0.1671	0.4160	0.4171	1.0320	0.6671	1.6404	0.9171	2.2414
0.1672	0.4163	0.4172	1.0322	0.6672	1.6406	0.9172	2.2416
0.1673	0.4165	0.4173	1.0325	0.6673	1.6409	0.9173	2.2418
0.1674	0.4168	0.4174	1.0327	0.6674	1.6411	0.9174	2.2421
0.1675	0.4170	0.4175	1.0330	0.6675	1.6414	0.9175	2.2423
0.1676	0.4173	0.4176	1.0332	0.6676	1.6416	0.9176	2.2426
0.1677	0.4175	0.4177	1.0335	0.6677	1.6418	0.9177	2.2428
0.1678	0.4177	0.4178	1.0337	0.6678	1.6421	0.9178	2.2430
0.1679	0.4180	0.4179	1.0339	0.6679	1.6423	0.9179	2.2433
0.1680	0.4182	0.4180	1.0342	0.6680	1.6426	0.9180	2.2435
0.1681	0.4185	0.4181	1.0344	0.6681	1.6428	0.9181	2.2438
0.1682	0.4187	0.4182	1.0347	0.6682	1.6431	0.9182	2.2440
0.1683	0.4190	0.4183	1.0349	0.6683	1.6433	0.9183	2.2442
0.1684	0.4192	0.4184	1.0352	0.6684	1.6435	0.9184	2.2445
0.1685	0.4195	0.4185	1.0354	0.6685	1.6438	0.9185	2.2447
0.1686	0.4197	0.4186	1.0357	0.6686	1.6440	0.9186	2.2449
0.1687	0.4200	0.4187	1.0359	0.6687	1.6443	0.9187	2.2452
0.1688	0.4202	0.4188	1.0362	0.6688	1.6445	0.9188	2.2454
0.1689	0.4205	0.4189	1.0364	0.6689	1.6447	0.9189	2.2457
0.1690	0.4207	0.4190	1.0366	0.6690	1.6450	0.9190	2.2459
0.1691	0.4210	0.4191	1.0369	0.6691	1.6452	0.9191	2.2461
0.1692	0.4212	0.4192	1.0371	0.6692	1.6455	0.9192	2.2464
0.1693	0.4215	0.4193	1.0374	0.6693	1.6457	0.9193	2.2466
0.1694	0.4217	0.4194	1.0376	0.6694	1.6460	0.9194	2.2469
0.1695	0.4220	0.4195	1.0379	0.6695	1.6462	0.9195	2.2471
0.1696	0.4222	0.4196	1.0381	0.6696	1.6464	0.9196	2.2473
0.1697	0.4225	0.4197	1.0384	0.6697	1.6467	0.9197	2.2476
0.1698	0.4227	0.4198	1.0386	0.6698	1.6469	0.9198	2.2478
0.1699	0.4230	0.4199	1.0388	0.6699	1.6472	0.9199	2.2481
0.1700	0.4232	0.4200	1.0391	0.6700	1.6474	0.9200	2.2483
0.1701	0.4234	0.4201	1.0393	0.6701	1.6476	0.9201	2.2485
0.1702	0.4237	0.4202	1.0396	0.6702	1.6479	0.9202	2.2488
0.1703	0.4239	0.4203	1.0398	0.6703	1.6481	0.9203	2.2490
0.1704	0.4242	0.4204	1.0401	0.6704	1.6484	0.9204	2.2492
0.1705	0.4244	0.4205	1.0403	0.6705	1.6486	0.9205	2.2495
0.1706	0.4247	0.4206	1.0406	0.6706	1.6489	0.9206	2.2497
0.1707	0.4249	0.4207	1.0408	0.6707	1.6491	0.9207	2.2500
0.1708	0.4252	0.4208	1.0410	0.6708	1.6493	0.9208	2.2502
0.1709	0.4254	0.4209	1.0413	0.6709	1.6496	0.9209	2.2504
0.1710	0.4257	0.4210	1.0415	0.6710	1.6498	0.9210	2.2507
0.1711	0.4259	0.4211	1.0418	0.6711	1.6501	0.9211	2.2509



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1712	0.4262	0.4212	1.0420	0.6712	1.6503	0.9212	2.2512
0.1713	0.4264	0.4213	1.0423	0.6713	1.6505	0.9213	2.2514
0.1714	0.4267	0.4214	1.0425	0.6714	1.6508	0.9214	2.2516
0.1715	0.4269	0.4215	1.0428	0.6715	1.6510	0.9215	2.2519
0.1716	0.4272	0.4216	1.0430	0.6716	1.6513	0.9216	2.2521
0.1717	0.4274	0.4217	1.0433	0.6717	1.6515	0.9217	2.2524
0.1718	0.4277	0.4218	1.0435	0.6718	1.6518	0.9218	2.2526
0.1719	0.4279	0.4219	1.0437	0.6719	1.6520	0.9219	2.2528
0.1720	0.4282	0.4220	1.0440	0.6720	1.6522	0.9220	2.2531
0.1721	0.4284	0.4221	1.0442	0.6721	1.6525	0.9221	2.2533
0.1722	0.4287	0.4222	1.0445	0.6722	1.6527	0.9222	2.2535
0.1723	0.4289	0.4223	1.0447	0.6723	1.6530	0.9223	2.2538
0.1724	0.4292	0.4224	1.0450	0.6724	1.6532	0.9224	2.2540
0.1725	0.4294	0.4225	1.0452	0.6725	1.6535	0.9225	2.2543
0.1726	0.4296	0.4226	1.0455	0.6726	1.6537	0.9226	2.2545
0.1727	0.4299	0.4227	1.0457	0.6727	1.6539	0.9227	2.2547
0.1728	0.4301	0.4228	1.0459	0.6728	1.6542	0.9228	2.2550
0.1729	0.4304	0.4229	1.0462	0.6729	1.6544	0.9229	2.2552
0.1730	0.4306	0.4230	1.0464	0.6730	1.6547	0.9230	2.2555
0.1731	0.4309	0.4231	1.0467	0.6731	1.6549	0.9231	2.2557
0.1732	0.4311	0.4232	1.0469	0.6732	1.6551	0.9232	2.2559
0.1733	0.4314	0.4233	1.0472	0.6733	1.6554	0.9233	2.2562
0.1734	0.4316	0.4234	1.0474	0.6734	1.6556	0.9234	2.2564
0.1735	0.4319	0.4235	1.0477	0.6735	1.6559	0.9235	2.2566
0.1736	0.4321	0.4236	1.0479	0.6736	1.6561	0.9236	2.2569
0.1737	0.4324	0.4237	1.0481	0.6737	1.6564	0.9237	2.2571
0.1738	0.4326	0.4238	1.0484	0.6738	1.6566	0.9238	2.2574
0.1739	0.4329	0.4239	1.0486	0.6739	1.6568	0.9239	2.2576
0.1740	0.4331	0.4240	1.0489	0.6740	1.6571	0.9240	2.2578
0.1741	0.4334	0.4241	1.0491	0.6741	1.6573	0.9241	2.2581
0.1742	0.4336	0.4242	1.0494	0.6742	1.6576	0.9242	2.2583
0.1743	0.4339	0.4243	1.0496	0.6743	1.6578	0.9243	2.2586
0.1744	0.4341	0.4244	1.0499	0.6744	1.6580	0.9244	2.2588
0.1745	0.4344	0.4245	1.0501	0.6745	1.6583	0.9245	2.2590
0.1746	0.4346	0.4246	1.0504	0.6746	1.6585	0.9246	2.2593
0.1747	0.4349	0.4247	1.0506	0.6747	1.6588	0.9247	2.2595
0.1748	0.4351	0.4248	1.0508	0.6748	1.6590	0.9248	2.2598
0.1749	0.4353	0.4249	1.0511	0.6749	1.6593	0.9249	2.2600
0.1750	0.4356	0.4250	1.0513	0.6750	1.6595	0.9250	2.2602
0.1751	0.4358	0.4251	1.0516	0.6751	1.6597	0.9251	2.2605
0.1752	0.4361	0.4252	1.0518	0.6752	1.6600	0.9252	2.2607
0.1753	0.4363	0.4253	1.0521	0.6753	1.6602	0.9253	2.2609
0.1754	0.4366	0.4254	1.0523	0.6754	1.6605	0.9254	2.2612
0.1755	0.4368	0.4255	1.0526	0.6755	1.6607	0.9255	2.2614
0.1756	0.4371	0.4256	1.0528	0.6756	1.6609	0.9256	2.2617
0.1757	0.4373	0.4257	1.0530	0.6757	1.6612	0.9257	2.2619
0.1758	0.4376	0.4258	1.0533	0.6758	1.6614	0.9258	2.2621
0.1759	0.4378	0.4259	1.0535	0.6759	1.6617	0.9259	2.2624
0.1760	0.4381	0.4260	1.0538	0.6760	1.6619	0.9260	2.2626
0.1761	0.4383	0.4261	1.0540	0.6761	1.6622	0.9261	2.2629
0.1762	0.4386	0.4262	1.0543	0.6762	1.6624	0.9262	2.2631
0.1763	0.4388	0.4263	1.0545	0.6763	1.6626	0.9263	2.2633
0.1764	0.4391	0.4264	1.0548	0.6764	1.6629	0.9264	2.2636
0.1765	0.4393	0.4265	1.0550	0.6765	1.6631	0.9265	2.2638
0.1766	0.4396	0.4266	1.0552	0.6766	1.6634	0.9266	2.2641
0.1767	0.4398	0.4267	1.0555	0.6767	1.6636	0.9267	2.2643
0.1768	0.4401	0.4268	1.0557	0.6768	1.6638	0.9268	2.2645
0.1769	0.4403	0.4269	1.0560	0.6769	1.6641	0.9269	2.2648
0.1770	0.4406	0.4270	1.0562	0.6770	1.6643	0.9270	2.2650

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.1771	0.4408	0.4271	1.0565	0.6771	1.6646	0.9271	2.2652
0.1772	0.4410	0.4272	1.0567	0.6772	1.6648	0.9272	2.2655
0.1773	0.4413	0.4273	1.0570	0.6773	1.6651	0.9273	2.2657
0.1774	0.4415	0.4274	1.0572	0.6774	1.6653	0.9274	2.2660
0.1775	0.4418	0.4275	1.0574	0.6775	1.6655	0.9275	2.2662
0.1776	0.4420	0.4276	1.0577	0.6776	1.6658	0.9276	2.2664
0.1777	0.4423	0.4277	1.0579	0.6777	1.6660	0.9277	2.2667
0.1778	0.4425	0.4278	1.0582	0.6778	1.6663	0.9278	2.2669
0.1779	0.4428	0.4279	1.0584	0.6779	1.6665	0.9279	2.2672
0.1780	0.4430	0.4280	1.0587	0.6780	1.6667	0.9280	2.2674
0.1781	0.4433	0.4281	1.0589	0.6781	1.6670	0.9281	2.2676
0.1782	0.4435	0.4282	1.0592	0.6782	1.6672	0.9282	2.2679
0.1783	0.4438	0.4283	1.0594	0.6783	1.6675	0.9283	2.2681
0.1784	0.4440	0.4284	1.0597	0.6784	1.6677	0.9284	2.2684
0.1785	0.4443	0.4285	1.0599	0.6785	1.6680	0.9285	2.2686
0.1786	0.4445	0.4286	1.0601	0.6786	1.6682	0.9286	2.2688
0.1787	0.4448	0.4287	1.0604	0.6787	1.6684	0.9287	2.2691
0.1788	0.4450	0.4288	1.0606	0.6788	1.6687	0.9288	2.2693
0.1789	0.4453	0.4289	1.0609	0.6789	1.6689	0.9289	2.2695
0.1790	0.4455	0.4290	1.0611	0.6790	1.6692	0.9290	2.2698
0.1791	0.4458	0.4291	1.0614	0.6791	1.6694	0.9291	2.2700
0.1792	0.4460	0.4292	1.0616	0.6792	1.6696	0.9292	2.2703
0.1793	0.4462	0.4293	1.0619	0.6793	1.6699	0.9293	2.2705
0.1794	0.4465	0.4294	1.0621	0.6794	1.6701	0.9294	2.2707
0.1795	0.4467	0.4295	1.0623	0.6795	1.6704	0.9295	2.2710
0.1796	0.4470	0.4296	1.0626	0.6796	1.6706	0.9296	2.2712
0.1797	0.4472	0.4297	1.0628	0.6797	1.6709	0.9297	2.2715
0.1798	0.4475	0.4298	1.0631	0.6798	1.6711	0.9298	2.2717
0.1799	0.4477	0.4299	1.0633	0.6799	1.6713	0.9299	2.2719
0.1800	0.4480	0.4300	1.0636	0.6800	1.6716	0.9300	2.2722
0.1801	0.4482	0.4301	1.0638	0.6801	1.6718	0.9301	2.2724
0.1802	0.4485	0.4302	1.0641	0.6802	1.6721	0.9302	2.2726
0.1803	0.4487	0.4303	1.0643	0.6803	1.6723	0.9303	2.2729
0.1804	0.4490	0.4304	1.0645	0.6804	1.6725	0.9304	2.2731
0.1805	0.4492	0.4305	1.0648	0.6805	1.6728	0.9305	2.2734
0.1806	0.4495	0.4306	1.0650	0.6806	1.6730	0.9306	2.2736
0.1807	0.4497	0.4307	1.0653	0.6807	1.6733	0.9307	2.2738
0.1808	0.4500	0.4308	1.0655	0.6808	1.6735	0.9308	2.2741
0.1809	0.4502	0.4309	1.0658	0.6809	1.6738	0.9309	2.2743
0.1810	0.4505	0.4310	1.0660	0.6810	1.6740	0.9310	2.2746
0.1811	0.4507	0.4311	1.0663	0.6811	1.6742	0.9311	2.2748
0.1812	0.4510	0.4312	1.0665	0.6812	1.6745	0.9312	2.2750
0.1813	0.4512	0.4313	1.0667	0.6813	1.6747	0.9313	2.2753
0.1814	0.4515	0.4314	1.0670	0.6814	1.6750	0.9314	2.2755
0.1815	0.4517	0.4315	1.0672	0.6815	1.6752	0.9315	2.2758
0.1816	0.4519	0.4316	1.0675	0.6816	1.6755	0.9316	2.2760
0.1817	0.4522	0.4317	1.0677	0.6817	1.6757	0.9317	2.2762
0.1818	0.4524	0.4318	1.0680	0.6818	1.6759	0.9318	2.2765
0.1819	0.4527	0.4319	1.0682	0.6819	1.6762	0.9319	2.2767
0.1820	0.4529	0.4320	1.0685	0.6820	1.6764	0.9320	2.2769
0.1821	0.4532	0.4321	1.0687	0.6821	1.6767	0.9321	2.2772
0.1822	0.4534	0.4322	1.0689	0.6822	1.6769	0.9322	2.2774
0.1823	0.4537	0.4323	1.0692	0.6823	1.6771	0.9323	2.2777
0.1824	0.4539	0.4324	1.0694	0.6824	1.6774	0.9324	2.2779
0.1825	0.4542	0.4325	1.0697	0.6825	1.6776	0.9325	2.2781
0.1826	0.4544	0.4326	1.0699	0.6826	1.6779	0.9326	2.2784
0.1827	0.4547	0.4327	1.0702	0.6827	1.6781	0.9327	2.2786
0.1828	0.4549	0.4328	1.0704	0.6828	1.6783	0.9328	2.2789
0.1829	0.4552	0.4329	1.0707	0.6829	1.6786	0.9329	2.2791



RDC.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDC.	ATOMZ
0.1830	0.4554	0.4330	1.0709	0.6830	1.6788	0.9330	2.2793
0.1831	0.4557	0.4331	1.0712	0.6831	1.6791	0.9331	2.2796
0.1832	0.4559	0.4332	1.0714	0.6832	1.6793	0.9332	2.2798
0.1833	0.4562	0.4333	1.0716	0.6833	1.6796	0.9333	2.2801
0.1834	0.4564	0.4334	1.0719	0.6834	1.6798	0.9334	2.2803
0.1835	0.4567	0.4335	1.0721	0.6835	1.6800	0.9335	2.2805
0.1836	0.4569	0.4336	1.0724	0.6836	1.6803	0.9336	2.2808
0.1837	0.4572	0.4337	1.0726	0.6837	1.6805	0.9337	2.2810
0.1838	0.4574	0.4338	1.0729	0.6838	1.6808	0.9338	2.2812
0.1839	0.4576	0.4339	1.0731	0.6839	1.6810	0.9339	2.2815
0.1840	0.4579	0.4340	1.0734	0.6840	1.6813	0.9340	2.2817
0.1841	0.4581	0.4341	1.0736	0.6841	1.6815	0.9341	2.2820
0.1842	0.4584	0.4342	1.0738	0.6842	1.6817	0.9342	2.2822
0.1843	0.4586	0.4343	1.0741	0.6843	1.6820	0.9343	2.2824
0.1844	0.4589	0.4344	1.0743	0.6844	1.6822	0.9344	2.2827
0.1845	0.4591	0.4345	1.0746	0.6845	1.6825	0.9345	2.2829
0.1846	0.4594	0.4346	1.0748	0.6846	1.6827	0.9346	2.2832
0.1847	0.4596	0.4347	1.0751	0.6847	1.6829	0.9347	2.2834
0.1848	0.4599	0.4348	1.0753	0.6848	1.6832	0.9348	2.2836
0.1849	0.4601	0.4349	1.0756	0.6849	1.6834	0.9349	2.2839
0.1850	0.4604	0.4350	1.0758	0.6850	1.6837	0.9350	2.2841
0.1851	0.4606	0.4351	1.0760	0.6851	1.6839	0.9351	2.2843
0.1852	0.4609	0.4352	1.0763	0.6852	1.6842	0.9352	2.2846
0.1853	0.4611	0.4353	1.0765	0.6853	1.6844	0.9353	2.2848
0.1854	0.4614	0.4354	1.0768	0.6854	1.6846	0.9354	2.2851
0.1855	0.4616	0.4355	1.0770	0.6855	1.6849	0.9355	2.2853
0.1856	0.4619	0.4356	1.0773	0.6856	1.6851	0.9356	2.2855
0.1857	0.4621	0.4357	1.0775	0.6857	1.6854	0.9357	2.2858
0.1858	0.4624	0.4358	1.0778	0.6858	1.6856	0.9358	2.2860
0.1859	0.4626	0.4359	1.0780	0.6859	1.6858	0.9359	2.2863
0.1860	0.4628	0.4360	1.0782	0.6860	1.6861	0.9360	2.2865
0.1861	0.4631	0.4361	1.0785	0.6861	1.6863	0.9361	2.2867
0.1862	0.4633	0.4362	1.0787	0.6862	1.6866	0.9362	2.2870
0.1863	0.4636	0.4363	1.0790	0.6863	1.6868	0.9363	2.2872
0.1864	0.4638	0.4364	1.0792	0.6864	1.6870	0.9364	2.2875
0.1865	0.4641	0.4365	1.0795	0.6865	1.6873	0.9365	2.2877
0.1866	0.4643	0.4366	1.0797	0.6866	1.6875	0.9366	2.2879
0.1867	0.4646	0.4367	1.0800	0.6867	1.6878	0.9367	2.2882
0.1868	0.4648	0.4368	1.0802	0.6868	1.6880	0.9368	2.2884
0.1869	0.4651	0.4369	1.0804	0.6869	1.6883	0.9369	2.2886
0.1870	0.4653	0.4370	1.0807	0.6870	1.6885	0.9370	2.2889
0.1871	0.4656	0.4371	1.0809	0.6871	1.6887	0.9371	2.2891
0.1872	0.4658	0.4372	1.0812	0.6872	1.6890	0.9372	2.2894
0.1873	0.4661	0.4373	1.0814	0.6873	1.6892	0.9373	2.2896
0.1874	0.4663	0.4374	1.0817	0.6874	1.6895	0.9374	2.2898
0.1875	0.4666	0.4375	1.0819	0.6875	1.6897	0.9375	2.2901
0.1876	0.4668	0.4376	1.0822	0.6876	1.6899	0.9376	2.2903
0.1877	0.4671	0.4377	1.0824	0.6877	1.6902	0.9377	2.2906
0.1878	0.4673	0.4378	1.0827	0.6878	1.6904	0.9378	2.2908
0.1879	0.4676	0.4379	1.0829	0.6879	1.6907	0.9379	2.2910
0.1880	0.4678	0.4380	1.0831	0.6880	1.6909	0.9380	2.2913
0.1881	0.4680	0.4381	1.0834	0.6881	1.6912	0.9381	2.2915
0.1882	0.4683	0.4382	1.0836	0.6882	1.6914	0.9382	2.2917
0.1883	0.4685	0.4383	1.0839	0.6883	1.6916	0.9383	2.2920
0.1884	0.4688	0.4384	1.0841	0.6884	1.6919	0.9384	2.2922
0.1885	0.4690	0.4385	1.0844	0.6885	1.6921	0.9385	2.2925
0.1886	0.4693	0.4386	1.0846	0.6886	1.6924	0.9386	2.2927
0.1887	0.4695	0.4387	1.0849	0.6887	1.6926	0.9387	2.2929
0.1888	0.4698	0.4388	1.0851	0.6888	1.6928	0.9388	2.2932



RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.1889	0.4700	0.4389	1.0853	0.6889	1.6931	0.9389	2.2934
0.1890	0.4703	0.4390	1.0854	0.6890	1.6933	0.9390	2.2937
0.1891	0.4705	0.4391	1.0858	0.6891	1.6936	0.9391	2.2939
0.1892	0.4708	0.4392	1.0861	0.6892	1.6938	0.9392	2.2941
0.1893	0.4710	0.4393	1.0863	0.6893	1.6941	0.9393	2.2944
0.1894	0.4713	0.4394	1.0866	0.6894	1.6943	0.9394	2.2946
0.1895	0.4715	0.4395	1.0868	0.6895	1.6945	0.9395	2.2948
0.1896	0.4718	0.4396	1.0871	0.6896	1.6948	0.9396	2.2951
0.1897	0.4720	0.4397	1.0873	0.6897	1.6950	0.9397	2.2953
0.1898	0.4723	0.4398	1.0875	0.6898	1.6953	0.9398	2.2956
0.1899	0.4725	0.4399	1.0878	0.6899	1.6955	0.9399	2.2958
0.1900	0.4728	0.4400	1.0880	0.6900	1.6957	0.9400	2.2960
0.1901	0.4730	0.4401	1.0883	0.6901	1.6960	0.9401	2.2963
0.1902	0.4732	0.4402	1.0885	0.6902	1.6962	0.9402	2.2965
0.1903	0.4735	0.4403	1.0888	0.6903	1.6965	0.9403	2.2968
0.1904	0.4737	0.4404	1.0890	0.6904	1.6967	0.9404	2.2970
0.1905	0.4740	0.4405	1.0893	0.6905	1.6970	0.9405	2.2972
0.1906	0.4742	0.4406	1.0895	0.6906	1.6972	0.9406	2.2975
0.1907	0.4745	0.4407	1.0897	0.6907	1.6974	0.9407	2.2977
0.1908	0.4747	0.4408	1.0900	0.6908	1.6977	0.9408	2.2980
0.1909	0.4750	0.4409	1.0902	0.6909	1.6979	0.9409	2.2982
0.1910	0.4752	0.4410	1.0905	0.6910	1.6982	0.9410	2.2984
0.1911	0.4755	0.4411	1.0907	0.6911	1.6984	0.9411	2.2987
0.1912	0.4757	0.4412	1.0910	0.6912	1.6986	0.9412	2.2989
0.1913	0.4760	0.4413	1.0912	0.6913	1.6989	0.9413	2.2991
0.1914	0.4762	0.4414	1.0915	0.6914	1.6991	0.9414	2.2994
0.1915	0.4765	0.4415	1.0917	0.6915	1.6994	0.9415	2.2996
0.1916	0.4767	0.4416	1.0919	0.6916	1.6996	0.9416	2.2999
0.1917	0.4770	0.4417	1.0922	0.6917	1.6999	0.9417	2.3001
0.1918	0.4772	0.4418	1.0924	0.6918	1.7001	0.9418	2.3003
0.1919	0.4775	0.4419	1.0927	0.6919	1.7003	0.9419	2.3006
0.1920	0.4777	0.4420	1.0929	0.6920	1.7006	0.9420	2.3008
0.1921	0.4780	0.4421	1.0932	0.6921	1.7008	0.9421	2.3011
0.1922	0.4782	0.4422	1.0934	0.6922	1.7011	0.9422	2.3013
0.1923	0.4784	0.4423	1.0937	0.6923	1.7013	0.9423	2.3015
0.1924	0.4787	0.4424	1.0939	0.6924	1.7015	0.9424	2.3018
0.1925	0.4789	0.4425	1.0941	0.6925	1.7018	0.9425	2.3020
0.1926	0.4792	0.4426	1.0944	0.6926	1.7020	0.9426	2.3022
0.1927	0.4794	0.4427	1.0946	0.6927	1.7023	0.9427	2.3025
0.1928	0.4797	0.4428	1.0949	0.6928	1.7025	0.9428	2.3027
0.1929	0.4799	0.4429	1.0951	0.6929	1.7028	0.9429	2.3030
0.1930	0.4802	0.4430	1.0954	0.6930	1.7030	0.9430	2.3032
0.1931	0.4804	0.4431	1.0956	0.6931	1.7032	0.9431	2.3034
0.1932	0.4807	0.4432	1.0959	0.6932	1.7035	0.9432	2.3037
0.1933	0.4809	0.4433	1.0961	0.6933	1.7037	0.9433	2.3039
0.1934	0.4812	0.4434	1.0963	0.6934	1.7040	0.9434	2.3042
0.1935	0.4814	0.4435	1.0966	0.6935	1.7042	0.9435	2.3044
0.1936	0.4817	0.4436	1.0968	0.6936	1.7044	0.9436	2.3046
0.1937	0.4819	0.4437	1.0971	0.6937	1.7047	0.9437	2.3049
0.1938	0.4822	0.4438	1.0973	0.6938	1.7049	0.9438	2.3051
0.1939	0.4824	0.4439	1.0976	0.6939	1.7052	0.9439	2.3053
0.1940	0.4827	0.4440	1.0978	0.6940	1.7054	0.9440	2.3056
0.1941	0.4829	0.4441	1.0981	0.6941	1.7057	0.9441	2.3058
0.1942	0.4832	0.4442	1.0983	0.6942	1.7059	0.9442	2.3061
0.1943	0.4834	0.4443	1.0985	0.6943	1.7061	0.9443	2.3063
0.1944	0.4836	0.4444	1.0988	0.6944	1.7064	0.9444	2.3065
0.1945	0.4839	0.4445	1.0990	0.6945	1.7066	0.9445	2.3068
0.1946	0.4841	0.4446	1.0993	0.6946	1.7069	0.9446	2.3070
0.1947	0.4844	0.4447	1.0995	0.6947	1.7071	0.9447	2.3073

RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.1948	0.4846	0.4448	1.0998	0.6948	1.7073	0.9448	2.3075
0.1949	0.4849	0.4449	1.1000	0.6949	1.7076	0.9449	2.3077
0.1950	0.4851	0.4450	1.1003	0.6950	1.7078	0.9450	2.3080
0.1951	0.4854	0.4451	1.1005	0.6951	1.7081	0.9451	2.3082
0.1952	0.4856	0.4452	1.1007	0.6952	1.7083	0.9452	2.3085
0.1953	0.4859	0.4453	1.1010	0.6953	1.7086	0.9453	2.3087
0.1954	0.4861	0.4454	1.1012	0.6954	1.7088	0.9454	2.3089
0.1955	0.4864	0.4455	1.1015	0.6955	1.7090	0.9455	2.3092
0.1956	0.4866	0.4456	1.1017	0.6956	1.7093	0.9456	2.3094
0.1957	0.4869	0.4457	1.1020	0.6957	1.7095	0.9457	2.3096
0.1958	0.4871	0.4458	1.1022	0.6958	1.7098	0.9458	2.3099
0.1959	0.4874	0.4459	1.1025	0.6959	1.7100	0.9459	2.3101
0.1960	0.4876	0.4460	1.1027	0.6960	1.7102	0.9460	2.3104
0.1961	0.4879	0.4461	1.1029	0.6961	1.7105	0.9461	2.3106
0.1962	0.4881	0.4462	1.1032	0.6962	1.7107	0.9462	2.3108
0.1963	0.4884	0.4463	1.1034	0.6963	1.7110	0.9463	2.3111
0.1964	0.4886	0.4464	1.1037	0.6964	1.7112	0.9464	2.3113
0.1965	0.4888	0.4465	1.1039	0.6965	1.7114	0.9465	2.3116
0.1966	0.4891	0.4466	1.1042	0.6966	1.7117	0.9466	2.3118
0.1967	0.4893	0.4467	1.1044	0.6967	1.7119	0.9467	2.3120
0.1968	0.4896	0.4468	1.1047	0.6968	1.7122	0.9468	2.3123
0.1969	0.4898	0.4469	1.1049	0.6969	1.7124	0.9469	2.3125
0.1970	0.4901	0.4470	1.1051	0.6970	1.7127	0.9470	2.3127
0.1971	0.4903	0.4471	1.1054	0.6971	1.7129	0.9471	2.3130
0.1972	0.4906	0.4472	1.1056	0.6972	1.7131	0.9472	2.3132
0.1973	0.4908	0.4473	1.1059	0.6973	1.7134	0.9473	2.3135
0.1974	0.4911	0.4474	1.1061	0.6974	1.7136	0.9474	2.3137
0.1975	0.4913	0.4475	1.1064	0.6975	1.7139	0.9475	2.3139
0.1976	0.4916	0.4476	1.1066	0.6976	1.7141	0.9476	2.3142
0.1977	0.4918	0.4477	1.1069	0.6977	1.7143	0.9477	2.3144
0.1978	0.4921	0.4478	1.1071	0.6978	1.7146	0.9478	2.3147
0.1979	0.4923	0.4479	1.1074	0.6979	1.7148	0.9479	2.3149
0.1980	0.4926	0.4480	1.1076	0.6980	1.7151	0.9480	2.3151
0.1981	0.4928	0.4481	1.1078	0.6981	1.7153	0.9481	2.3154
0.1982	0.4931	0.4482	1.1081	0.6982	1.7156	0.9482	2.3156
0.1983	0.4933	0.4483	1.1083	0.6983	1.7158	0.9483	2.3158
0.1984	0.4936	0.4484	1.1086	0.6984	1.7160	0.9484	2.3161
0.1985	0.4938	0.4485	1.1088	0.6985	1.7163	0.9485	2.3163
0.1986	0.4940	0.4486	1.1091	0.6986	1.7165	0.9486	2.3166
0.1987	0.4943	0.4487	1.1093	0.6987	1.7168	0.9487	2.3168
0.1988	0.4945	0.4488	1.1096	0.6988	1.7170	0.9488	2.3170
0.1989	0.4948	0.4489	1.1098	0.6989	1.7172	0.9489	2.3173
0.1990	0.4950	0.4490	1.1100	0.6990	1.7175	0.9490	2.3175
0.1991	0.4953	0.4491	1.1103	0.6991	1.7177	0.9491	2.3178
0.1992	0.4955	0.4492	1.1105	0.6992	1.7180	0.9492	2.3180
0.1993	0.4958	0.4493	1.1108	0.6993	1.7182	0.9493	2.3182
0.1994	0.4960	0.4494	1.1110	0.6994	1.7185	0.9494	2.3185
0.1995	0.4963	0.4495	1.1113	0.6995	1.7187	0.9495	2.3187
0.1996	0.4965	0.4496	1.1115	0.6996	1.7189	0.9496	2.3189
0.1997	0.4968	0.4497	1.1118	0.6997	1.7192	0.9497	2.3192
0.1998	0.4970	0.4498	1.1120	0.6998	1.7194	0.9498	2.3194
0.1999	0.4973	0.4499	1.1122	0.6999	1.7197	0.9499	2.3197
0.2000	0.4975	0.4500	1.1125	0.7000	1.7199	0.9500	2.3199
0.2001	0.4978	0.4501	1.1127	0.7001	1.7201	0.9501	2.3201
0.2002	0.4980	0.4502	1.1130	0.7002	1.7204	0.9502	2.3204
0.2003	0.4983	0.4503	1.1132	0.7003	1.7206	0.9503	2.3206
0.2004	0.4985	0.4504	1.1135	0.7004	1.7209	0.9504	2.3209
0.2005	0.4987	0.4505	1.1137	0.7005	1.7211	0.9505	2.3211
0.2006	0.4990	0.4506	1.1140	0.7006	1.7214	0.9506	2.3213



RDG.	ATOM%	RDG.	ATOM%	RDG.	ATOM%	RDG.	ATOM%
0.2007	0.4992	0.4507	1.1142	0.7007	1.7216	0.9507	2.3216
0.2008	0.4995	0.4508	1.1144	0.7008	1.7218	0.9508	2.3218
0.2009	0.4997	0.4509	1.1147	0.7009	1.7221	0.9509	2.3221
0.2010	0.5000	0.4510	1.1149	0.7010	1.7223	0.9510	2.3223
0.2011	0.5002	0.4511	1.1152	0.7011	1.7226	0.9511	2.3225
0.2012	0.5005	0.4512	1.1154	0.7012	1.7228	0.9512	2.3228
0.2013	0.5007	0.4513	1.1157	0.7013	1.7230	0.9513	2.3230
0.2014	0.5010	0.4514	1.1159	0.7014	1.7233	0.9514	2.3232
0.2015	0.5012	0.4515	1.1162	0.7015	1.7235	0.9515	2.3235
0.2016	0.5015	0.4516	1.1164	0.7016	1.7238	0.9516	2.3237
0.2017	0.5017	0.4517	1.1166	0.7017	1.7240	0.9517	2.3240
0.2018	0.5020	0.4518	1.1169	0.7018	1.7242	0.9518	2.3242
0.2019	0.5022	0.4519	1.1171	0.7019	1.7245	0.9519	2.3244
0.2020	0.5025	0.4520	1.1174	0.7020	1.7247	0.9520	2.3247
0.2021	0.5027	0.4521	1.1176	0.7021	1.7250	0.9521	2.3249
0.2022	0.5030	0.4522	1.1179	0.7022	1.7252	0.9522	2.3251
0.2023	0.5032	0.4523	1.1181	0.7023	1.7255	0.9523	2.3254
0.2024	0.5035	0.4524	1.1184	0.7024	1.7257	0.9524	2.3256
0.2025	0.5037	0.4525	1.1186	0.7025	1.7259	0.9525	2.3259
0.2026	0.5039	0.4526	1.1188	0.7026	1.7262	0.9526	2.3261
0.2027	0.5042	0.4527	1.1191	0.7027	1.7264	0.9527	2.3263
0.2028	0.5044	0.4528	1.1193	0.7028	1.7267	0.9528	2.3266
0.2029	0.5047	0.4529	1.1196	0.7029	1.7269	0.9529	2.3268
0.2030	0.5049	0.4530	1.1198	0.7030	1.7271	0.9530	2.3271
0.2031	0.5052	0.4531	1.1201	0.7031	1.7274	0.9531	2.3273
0.2032	0.5054	0.4532	1.1203	0.7032	1.7276	0.9532	2.3275
0.2033	0.5057	0.4533	1.1206	0.7033	1.7279	0.9533	2.3278
0.2034	0.5059	0.4534	1.1208	0.7034	1.7281	0.9534	2.3280
0.2035	0.5062	0.4535	1.1210	0.7035	1.7284	0.9535	2.3283
0.2036	0.5064	0.4536	1.1213	0.7036	1.7286	0.9536	2.3285
0.2037	0.5067	0.4537	1.1215	0.7037	1.7288	0.9537	2.3287
0.2038	0.5069	0.4538	1.1218	0.7038	1.7291	0.9538	2.3290
0.2039	0.5072	0.4539	1.1220	0.7039	1.7293	0.9539	2.3292
0.2040	0.5074	0.4540	1.1223	0.7040	1.7296	0.9540	2.3294
0.2041	0.5077	0.4541	1.1225	0.7041	1.7298	0.9541	2.3297
0.2042	0.5079	0.4542	1.1228	0.7042	1.7300	0.9542	2.3299
0.2043	0.5082	0.4543	1.1230	0.7043	1.7303	0.9543	2.3302
0.2044	0.5084	0.4544	1.1232	0.7044	1.7305	0.9544	2.3304
0.2045	0.5086	0.4545	1.1235	0.7045	1.7308	0.9545	2.3306
0.2046	0.5089	0.4546	1.1237	0.7046	1.7310	0.9546	2.3309
0.2047	0.5091	0.4547	1.1240	0.7047	1.7312	0.9547	2.3311
0.2048	0.5094	0.4548	1.1242	0.7048	1.7315	0.9548	2.3314
0.2049	0.5096	0.4549	1.1245	0.7049	1.7317	0.9549	2.3316
0.2050	0.5099	0.4550	1.1247	0.7050	1.7320	0.9550	2.3318
0.2051	0.5101	0.4551	1.1250	0.7051	1.7322	0.9551	2.3321
0.2052	0.5104	0.4552	1.1252	0.7052	1.7325	0.9552	2.3323
0.2053	0.5106	0.4553	1.1254	0.7053	1.7327	0.9553	2.3325
0.2054	0.5109	0.4554	1.1257	0.7054	1.7329	0.9554	2.3328
0.2055	0.5111	0.4555	1.1259	0.7055	1.7332	0.9555	2.3330
0.2056	0.5114	0.4556	1.1262	0.7056	1.7334	0.9556	2.3333
0.2057	0.5116	0.4557	1.1264	0.7057	1.7337	0.9557	2.3335
0.2058	0.5119	0.4558	1.1267	0.7058	1.7339	0.9558	2.3337
0.2059	0.5121	0.4559	1.1269	0.7059	1.7341	0.9559	2.3340
0.2060	0.5124	0.4560	1.1272	0.7060	1.7344	0.9560	2.3342
0.2061	0.5126	0.4561	1.1274	0.7061	1.7346	0.9561	2.3345
0.2062	0.5129	0.4562	1.1276	0.7062	1.7349	0.9562	2.3347
0.2063	0.5131	0.4563	1.1279	0.7063	1.7351	0.9563	2.3349
0.2064	0.5134	0.4564	1.1281	0.7064	1.7354	0.9564	2.3352
0.2065	0.5136	0.4565	1.1284	0.7065	1.7356	0.9565	2.3354



RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.2066	0.5138	0.4566	1.1286	0.7066	1.7358	0.9566	2.3356
0.2067	0.5141	0.4567	1.1289	0.7067	1.7361	0.9567	2.3359
0.2068	0.5143	0.4568	1.1291	0.7068	1.7363	0.9568	2.3361
0.2069	0.5146	0.4569	1.1293	0.7069	1.7366	0.9569	2.3364
0.2070	0.5148	0.4570	1.1296	0.7070	1.7368	0.9570	2.3366
0.2071	0.5151	0.4571	1.1298	0.7071	1.7370	0.9571	2.3368
0.2072	0.5153	0.4572	1.1301	0.7072	1.7373	0.9572	2.3371
0.2073	0.5156	0.4573	1.1303	0.7073	1.7375	0.9573	2.3373
0.2074	0.5158	0.4574	1.1306	0.7074	1.7376	0.9574	2.3376
0.2075	0.5161	0.4575	1.1308	0.7075	1.7380	0.9575	2.3378
0.2076	0.5163	0.4576	1.1311	0.7076	1.7383	0.9576	2.3380
0.2077	0.5166	0.4577	1.1313	0.7077	1.7385	0.9577	2.3383
0.2078	0.5168	0.4578	1.1315	0.7078	1.7387	0.9578	2.3385
0.2079	0.5171	0.4579	1.1318	0.7079	1.7390	0.9579	2.3387
0.2080	0.5173	0.4580	1.1320	0.7080	1.7392	0.9580	2.3390
0.2081	0.5176	0.4581	1.1323	0.7081	1.7395	0.9581	2.3392
0.2082	0.5178	0.4582	1.1325	0.7082	1.7397	0.9582	2.3395
0.2083	0.5181	0.4583	1.1328	0.7083	1.7399	0.9583	2.3397
0.2084	0.5183	0.4584	1.1330	0.7084	1.7402	0.9584	2.3399
0.2085	0.5185	0.4585	1.1333	0.7085	1.7404	0.9585	2.3402
0.2086	0.5188	0.4586	1.1335	0.7086	1.7407	0.9586	2.3404
0.2087	0.5190	0.4587	1.1337	0.7087	1.7409	0.9587	2.3407
0.2088	0.5193	0.4588	1.1340	0.7088	1.7411	0.9588	2.3409
0.2089	0.5195	0.4589	1.1342	0.7089	1.7414	0.9589	2.3411
0.2090	0.5198	0.4590	1.1345	0.7090	1.7416	0.9590	2.3414
0.2091	0.5200	0.4591	1.1347	0.7091	1.7419	0.9591	2.3416
0.2092	0.5203	0.4592	1.1350	0.7092	1.7421	0.9592	2.3418
0.2093	0.5205	0.4593	1.1352	0.7093	1.7424	0.9593	2.3421
0.2094	0.5208	0.4594	1.1355	0.7094	1.7426	0.9594	2.3423
0.2095	0.5210	0.4595	1.1357	0.7095	1.7428	0.9595	2.3426
0.2096	0.5213	0.4596	1.1359	0.7096	1.7431	0.9596	2.3428
0.2097	0.5215	0.4597	1.1362	0.7097	1.7433	0.9597	2.3430
0.2098	0.5218	0.4598	1.1364	0.7098	1.7436	0.9598	2.3433
0.2099	0.5220	0.4599	1.1367	0.7099	1.7438	0.9599	2.3435
0.2100	0.5223	0.4600	1.1369	0.7100	1.7440	0.9600	2.3438
0.2101	0.5225	0.4601	1.1372	0.7101	1.7443	0.9601	2.3440
0.2102	0.5228	0.4602	1.1374	0.7102	1.7445	0.9602	2.3442
0.2103	0.5230	0.4603	1.1377	0.7103	1.7448	0.9603	2.3445
0.2104	0.5232	0.4604	1.1379	0.7104	1.7450	0.9604	2.3447
0.2105	0.5235	0.4605	1.1381	0.7105	1.7452	0.9605	2.3449
0.2106	0.5237	0.4606	1.1384	0.7106	1.7455	0.9606	2.3452
0.2107	0.5240	0.4607	1.1386	0.7107	1.7457	0.9607	2.3454
0.2108	0.5242	0.4608	1.1389	0.7108	1.7460	0.9608	2.3457
0.2109	0.5245	0.4609	1.1391	0.7109	1.7462	0.9609	2.3459
0.2110	0.5247	0.4610	1.1394	0.7110	1.7465	0.9610	2.3461
0.2111	0.5250	0.4611	1.1396	0.7111	1.7467	0.9611	2.3464
0.2112	0.5252	0.4612	1.1399	0.7112	1.7469	0.9612	2.3466
0.2113	0.5255	0.4613	1.1401	0.7113	1.7472	0.9613	2.3468
0.2114	0.5257	0.4614	1.1403	0.7114	1.7474	0.9614	2.3471
0.2115	0.5260	0.4615	1.1406	0.7115	1.7477	0.9615	2.3473
0.2116	0.5262	0.4616	1.1408	0.7116	1.7479	0.9616	2.3476
0.2117	0.5265	0.4617	1.1411	0.7117	1.7481	0.9617	2.3478
0.2118	0.5267	0.4618	1.1413	0.7118	1.7484	0.9618	2.3480
0.2119	0.5270	0.4619	1.1416	0.7119	1.7486	0.9619	2.3483
0.2120	0.5272	0.4620	1.1418	0.7120	1.7489	0.9620	2.3485
0.2121	0.5275	0.4621	1.1421	0.7121	1.7491	0.9621	2.3488
0.2122	0.5277	0.4622	1.1423	0.7122	1.7494	0.9622	2.3490
0.2123	0.5279	0.4623	1.1425	0.7123	1.7496	0.9623	2.3492
0.2124	0.5282	0.4624	1.1428	0.7124	1.7498	0.9624	2.3495

RDC.	ATONZ	PIC.	ATONZ	PIC.	ATONZ	PIC.	ATONZ
0.2105	0.5284	0.4625	1.1430	0.7125	1.7501	0.9605	2.3487
0.2106	0.5287	0.4626	1.1433	0.7126	1.7503	0.9606	2.3489
0.2107	0.5289	0.4627	1.1435	0.7127	1.7506	0.9607	2.3492
0.2108	0.5292	0.4628	1.1438	0.7128	1.7508	0.9608	2.3494
0.2109	0.5294	0.4629	1.1440	0.7129	1.7510	0.9609	2.3497
0.2110	0.5297	0.4630	1.1443	0.7130	1.7513	0.9610	2.3500
0.2111	0.5299	0.4631	1.1445	0.7131	1.7515	0.9611	2.3511
0.2112	0.5302	0.4632	1.1447	0.7132	1.7518	0.9612	2.3514
0.2113	0.5304	0.4633	1.1450	0.7133	1.7520	0.9613	2.3516
0.2114	0.5307	0.4634	1.1452	0.7134	1.7522	0.9614	2.3519
0.2115	0.5309	0.4635	1.1455	0.7135	1.7525	0.9615	2.3521
0.2116	0.5312	0.4636	1.1457	0.7136	1.7527	0.9616	2.3523
0.2117	0.5314	0.4637	1.1460	0.7137	1.7530	0.9617	2.3526
0.2118	0.5317	0.4638	1.1462	0.7138	1.7532	0.9618	2.3528
0.2119	0.5319	0.4639	1.1465	0.7139	1.7535	0.9619	2.3530
0.2120	0.5322	0.4640	1.1467	0.7140	1.7537	0.9620	2.3533
0.2121	0.5324	0.4641	1.1469	0.7141	1.7539	0.9621	2.3535
0.2122	0.5326	0.4642	1.1472	0.7142	1.7542	0.9622	2.3538
0.2123	0.5329	0.4643	1.1474	0.7143	1.7544	0.9623	2.3540
0.2124	0.5331	0.4644	1.1477	0.7144	1.7547	0.9624	2.3542
0.2125	0.5334	0.4645	1.1479	0.7145	1.7549	0.9625	2.3544
0.2126	0.5336	0.4646	1.1482	0.7146	1.7551	0.9626	2.3547
0.2127	0.5339	0.4647	1.1484	0.7147	1.7554	0.9627	2.3550
0.2128	0.5341	0.4648	1.1487	0.7148	1.7556	0.9628	2.3552
0.2129	0.5344	0.4649	1.1489	0.7149	1.7559	0.9629	2.3554
0.2130	0.5346	0.4650	1.1491	0.7150	1.7561	0.9630	2.3557
0.2131	0.5349	0.4651	1.1494	0.7151	1.7564	0.9631	2.3559
0.2132	0.5351	0.4652	1.1496	0.7152	1.7566	0.9632	2.3561
0.2133	0.5354	0.4653	1.1499	0.7153	1.7568	0.9633	2.3564
0.2134	0.5356	0.4654	1.1501	0.7154	1.7571	0.9634	2.3566
0.2135	0.5359	0.4655	1.1504	0.7155	1.7573	0.9635	2.3569
0.2136	0.5361	0.4656	1.1506	0.7156	1.7576	0.9636	2.3571
0.2137	0.5364	0.4657	1.1509	0.7157	1.7578	0.9637	2.3573
0.2138	0.5366	0.4658	1.1511	0.7158	1.7580	0.9638	2.3576
0.2139	0.5369	0.4659	1.1513	0.7159	1.7583	0.9639	2.3578
0.2140	0.5371	0.4660	1.1516	0.7160	1.7585	0.9640	2.3581
0.2141	0.5373	0.4661	1.1518	0.7161	1.7588	0.9641	2.3583
0.2142	0.5376	0.4662	1.1521	0.7162	1.7590	0.9642	2.3585
0.2143	0.5378	0.4663	1.1523	0.7163	1.7592	0.9643	2.3588
0.2144	0.5381	0.4664	1.1526	0.7164	1.7595	0.9644	2.3590
0.2145	0.5383	0.4665	1.1528	0.7165	1.7597	0.9645	2.3592
0.2146	0.5386	0.4666	1.1530	0.7166	1.7600	0.9646	2.3595
0.2147	0.5388	0.4667	1.1533	0.7167	1.7602	0.9647	2.3597
0.2148	0.5391	0.4668	1.1535	0.7168	1.7605	0.9648	2.3600
0.2149	0.5393	0.4669	1.1538	0.7169	1.7607	0.9649	2.3602
0.2150	0.5396	0.4670	1.1540	0.7170	1.7610	0.9650	2.3604
0.2151	0.5398	0.4671	1.1543	0.7171	1.7612	0.9651	2.3607
0.2152	0.5401	0.4672	1.1545	0.7172	1.7614	0.9652	2.3609
0.2153	0.5403	0.4673	1.1548	0.7173	1.7617	0.9653	2.3612
0.2154	0.5406	0.4674	1.1550	0.7174	1.7619	0.9654	2.3614
0.2155	0.5408	0.4675	1.1552	0.7175	1.7621	0.9655	2.3616
0.2156	0.5411	0.4676	1.1555	0.7176	1.7624	0.9656	2.3619
0.2157	0.5413	0.4677	1.1557	0.7177	1.7626	0.9657	2.3621
0.2158	0.5416	0.4678	1.1560	0.7178	1.7629	0.9658	2.3623
0.2159	0.5418	0.4679	1.1562	0.7179	1.7631	0.9659	2.3626
0.2160	0.5420	0.4680	1.1565	0.7180	1.7633	0.9660	2.3628
0.2161	0.5423	0.4681	1.1567	0.7181	1.7636	0.9661	2.3631
0.2162	0.5425	0.4682	1.1570	0.7182	1.7638	0.9662	2.3633
0.2163	0.5428	0.4683	1.1572	0.7183	1.7641	0.9663	2.3635

RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.2184	0.5430	0.4684	1.1574	0.7184	1.7643	0.9684	2.3638
0.2185	0.5433	0.4685	1.1577	0.7185	1.7646	0.9685	2.3640
0.2186	0.5435	0.4686	1.1579	0.7186	1.7648	0.9686	2.3643
0.2187	0.5438	0.4687	1.1582	0.7187	1.7650	0.9687	2.3645
0.2188	0.5440	0.4688	1.1584	0.7188	1.7653	0.9688	2.3647
0.2189	0.5443	0.4689	1.1587	0.7189	1.7655	0.9689	2.3650
0.2190	0.5445	0.4690	1.1589	0.7190	1.7658	0.9690	2.3652
0.2191	0.5448	0.4691	1.1592	0.7191	1.7660	0.9691	2.3654
0.2192	0.5450	0.4692	1.1594	0.7192	1.7662	0.9692	2.3657
0.2193	0.5453	0.4693	1.1596	0.7193	1.7665	0.9693	2.3659
0.2194	0.5455	0.4694	1.1599	0.7194	1.7667	0.9694	2.3662
0.2195	0.5458	0.4695	1.1601	0.7195	1.7670	0.9695	2.3664
0.2196	0.5460	0.4696	1.1604	0.7196	1.7672	0.9696	2.3666
0.2197	0.5462	0.4697	1.1606	0.7197	1.7674	0.9697	2.3669
0.2198	0.5465	0.4698	1.1609	0.7198	1.7677	0.9698	2.3671
0.2199	0.5467	0.4699	1.1611	0.7199	1.7679	0.9699	2.3673
0.2200	0.5470	0.4700	1.1614	0.7200	1.7682	0.9700	2.3676
0.2201	0.5472	0.4701	1.1616	0.7201	1.7684	0.9701	2.3678
0.2202	0.5475	0.4702	1.1618	0.7202	1.7687	0.9702	2.3681
0.2203	0.5477	0.4703	1.1621	0.7203	1.7689	0.9703	2.3683
0.2204	0.5480	0.4704	1.1623	0.7204	1.7691	0.9704	2.3685
0.2205	0.5482	0.4705	1.1626	0.7205	1.7694	0.9705	2.3688
0.2206	0.5485	0.4706	1.1628	0.7206	1.7696	0.9706	2.3690
0.2207	0.5487	0.4707	1.1631	0.7207	1.7699	0.9707	2.3693
0.2208	0.5490	0.4708	1.1633	0.7208	1.7701	0.9708	2.3695
0.2209	0.5492	0.4709	1.1636	0.7209	1.7703	0.9709	2.3697
0.2210	0.5495	0.4710	1.1638	0.7210	1.7706	0.9710	2.3700
0.2211	0.5497	0.4711	1.1640	0.7211	1.7708	0.9711	2.3702
0.2212	0.5500	0.4712	1.1643	0.7212	1.7711	0.9712	2.3704
0.2213	0.5502	0.4713	1.1645	0.7213	1.7713	0.9713	2.3707
0.2214	0.5505	0.4714	1.1648	0.7214	1.7715	0.9714	2.3709
0.2215	0.5507	0.4715	1.1650	0.7215	1.7718	0.9715	2.3712
0.2216	0.5509	0.4716	1.1653	0.7216	1.7720	0.9716	2.3714
0.2217	0.5512	0.4717	1.1655	0.7217	1.7723	0.9717	2.3716
0.2218	0.5514	0.4718	1.1658	0.7218	1.7725	0.9718	2.3719
0.2219	0.5517	0.4719	1.1660	0.7219	1.7728	0.9719	2.3721
0.2220	0.5519	0.4720	1.1662	0.7220	1.7730	0.9720	2.3724
0.2221	0.5522	0.4721	1.1665	0.7221	1.7732	0.9721	2.3726
0.2222	0.5524	0.4722	1.1667	0.7222	1.7735	0.9722	2.3729
0.2223	0.5527	0.4723	1.1670	0.7223	1.7737	0.9723	2.3731
0.2224	0.5529	0.4724	1.1672	0.7224	1.7740	0.9724	2.3733
0.2225	0.5532	0.4725	1.1675	0.7225	1.7742	0.9725	2.3735
0.2226	0.5534	0.4726	1.1677	0.7226	1.7744	0.9726	2.3738
0.2227	0.5537	0.4727	1.1679	0.7227	1.7747	0.9727	2.3740
0.2228	0.5539	0.4728	1.1682	0.7228	1.7749	0.9728	2.3743
0.2229	0.5542	0.4729	1.1684	0.7229	1.7752	0.9729	2.3745
0.2230	0.5544	0.4730	1.1687	0.7230	1.7754	0.9730	2.3747
0.2231	0.5547	0.4731	1.1689	0.7231	1.7757	0.9731	2.3750
0.2232	0.5549	0.4732	1.1692	0.7232	1.7759	0.9732	2.3752
0.2233	0.5552	0.4733	1.1694	0.7233	1.7761	0.9733	2.3754
0.2234	0.5554	0.4734	1.1697	0.7234	1.7764	0.9734	2.3757
0.2235	0.5556	0.4735	1.1699	0.7235	1.7766	0.9735	2.3759
0.2236	0.5559	0.4736	1.1701	0.7236	1.7769	0.9736	2.3762
0.2237	0.5561	0.4737	1.1704	0.7237	1.7771	0.9737	2.3764
0.2238	0.5564	0.4738	1.1706	0.7238	1.7773	0.9738	2.3766
0.2239	0.5566	0.4739	1.1709	0.7239	1.7776	0.9739	2.3769
0.2240	0.5569	0.4740	1.1711	0.7240	1.7778	0.9740	2.3771
0.2241	0.5571	0.4741	1.1714	0.7241	1.7781	0.9741	2.3774
0.2242	0.5574	0.4742	1.1716	0.7242	1.7783	0.9742	2.3776



RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.2243	0.5576	0.4743	1.1719	0.7243	1.7785	0.9743	2.3778
0.2244	0.5579	0.4744	1.1721	0.7244	1.7788	0.9744	2.3781
0.2245	0.5581	0.4745	1.1723	0.7245	1.7790	0.9745	2.3783
0.2246	0.5584	0.4746	1.1726	0.7246	1.7793	0.9746	2.3785
0.2247	0.5586	0.4747	1.1728	0.7247	1.7795	0.9747	2.3788
0.2248	0.5589	0.4748	1.1731	0.7248	1.7798	0.9748	2.3790
0.2249	0.5591	0.4749	1.1733	0.7249	1.7800	0.9749	2.3793
0.2250	0.5594	0.4750	1.1736	0.7250	1.7802	0.9750	2.3795
0.2251	0.5596	0.4751	1.1738	0.7251	1.7805	0.9751	2.3797
0.2252	0.5598	0.4752	1.1741	0.7252	1.7807	0.9752	2.3800
0.2253	0.5601	0.4753	1.1743	0.7253	1.7810	0.9753	2.3802
0.2254	0.5603	0.4754	1.1745	0.7254	1.7812	0.9754	2.3805
0.2255	0.5606	0.4755	1.1748	0.7255	1.7814	0.9755	2.3807
0.2256	0.5608	0.4756	1.1750	0.7256	1.7817	0.9756	2.3809
0.2257	0.5611	0.4757	1.1753	0.7257	1.7819	0.9757	2.3812
0.2258	0.5613	0.4758	1.1755	0.7258	1.7822	0.9758	2.3814
0.2259	0.5616	0.4759	1.1758	0.7259	1.7824	0.9759	2.3816
0.2260	0.5618	0.4760	1.1760	0.7260	1.7826	0.9760	2.3819
0.2261	0.5621	0.4761	1.1762	0.7261	1.7829	0.9761	2.3821
0.2262	0.5623	0.4762	1.1765	0.7262	1.7831	0.9762	2.3824
0.2263	0.5626	0.4763	1.1767	0.7263	1.7834	0.9763	2.3826
0.2264	0.5628	0.4764	1.1770	0.7264	1.7836	0.9764	2.3828
0.2265	0.5631	0.4765	1.1772	0.7265	1.7839	0.9765	2.3831
0.2266	0.5633	0.4766	1.1775	0.7266	1.7841	0.9766	2.3833
0.2267	0.5636	0.4767	1.1777	0.7267	1.7843	0.9767	2.3836
0.2268	0.5638	0.4768	1.1780	0.7268	1.7846	0.9768	2.3838
0.2269	0.5641	0.4769	1.1782	0.7269	1.7848	0.9769	2.3840
0.2270	0.5643	0.4770	1.1784	0.7270	1.7851	0.9770	2.3843
0.2271	0.5645	0.4771	1.1787	0.7271	1.7853	0.9771	2.3845
0.2272	0.5648	0.4772	1.1789	0.7272	1.7855	0.9772	2.3847
0.2273	0.5650	0.4773	1.1792	0.7273	1.7858	0.9773	2.3850
0.2274	0.5653	0.4774	1.1794	0.7274	1.7860	0.9774	2.3852
0.2275	0.5655	0.4775	1.1797	0.7275	1.7863	0.9775	2.3855
0.2276	0.5658	0.4776	1.1799	0.7276	1.7865	0.9776	2.3857
0.2277	0.5660	0.4777	1.1802	0.7277	1.7867	0.9777	2.3859
0.2278	0.5663	0.4778	1.1804	0.7278	1.7870	0.9778	2.3862
0.2279	0.5665	0.4779	1.1806	0.7279	1.7872	0.9779	2.3864
0.2280	0.5668	0.4780	1.1809	0.7280	1.7875	0.9780	2.3866
0.2281	0.5670	0.4781	1.1811	0.7281	1.7877	0.9781	2.3869
0.2282	0.5673	0.4782	1.1814	0.7282	1.7880	0.9782	2.3871
0.2283	0.5675	0.4783	1.1816	0.7283	1.7882	0.9783	2.3874
0.2284	0.5678	0.4784	1.1819	0.7284	1.7884	0.9784	2.3876
0.2285	0.5680	0.4785	1.1821	0.7285	1.7887	0.9785	2.3878
0.2286	0.5683	0.4786	1.1824	0.7286	1.7889	0.9786	2.3881
0.2287	0.5685	0.4787	1.1826	0.7287	1.7892	0.9787	2.3883
0.2288	0.5687	0.4788	1.1828	0.7288	1.7894	0.9788	2.3886
0.2289	0.5690	0.4789	1.1831	0.7289	1.7896	0.9789	2.3888
0.2290	0.5692	0.4790	1.1833	0.7290	1.7899	0.9790	2.3890
0.2291	0.5695	0.4791	1.1836	0.7291	1.7901	0.9791	2.3893
0.2292	0.5697	0.4792	1.1838	0.7292	1.7904	0.9792	2.3895
0.2293	0.5700	0.4793	1.1841	0.7293	1.7906	0.9793	2.3897
0.2294	0.5702	0.4794	1.1843	0.7294	1.7908	0.9794	2.3900
0.2295	0.5705	0.4795	1.1846	0.7295	1.7911	0.9795	2.3902
0.2296	0.5707	0.4796	1.1848	0.7296	1.7913	0.9796	2.3905
0.2297	0.5710	0.4797	1.1850	0.7297	1.7916	0.9797	2.3907
0.2298	0.5712	0.4798	1.1853	0.7298	1.7918	0.9798	2.3909
0.2299	0.5715	0.4799	1.1855	0.7299	1.7920	0.9799	2.3912
0.2300	0.5717	0.4800	1.1858	0.7300	1.7923	0.9800	2.3914
0.2301	0.5720	0.4801	1.1860	0.7301	1.7925	0.9801	2.3916

RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.2302	0.5722	0.4802	1.1863	0.7302	1.7926	0.9802	2.3919
0.2303	0.5725	0.4803	1.1865	0.7303	1.7932	0.9803	2.3921
0.2304	0.5727	0.4804	1.1867	0.7304	1.7933	0.9804	2.3924
0.2305	0.5729	0.4805	1.1870	0.7305	1.7935	0.9805	2.3926
0.2306	0.5732	0.4806	1.1872	0.7306	1.7937	0.9806	2.3928
0.2307	0.5734	0.4807	1.1875	0.7307	1.7940	0.9807	2.3931
0.2308	0.5737	0.4808	1.1877	0.7308	1.7942	0.9808	2.3933
0.2309	0.5739	0.4809	1.1880	0.7309	1.7945	0.9809	2.3936
0.2310	0.5742	0.4810	1.1882	0.7310	1.7947	0.9810	2.3938
0.2311	0.5744	0.4811	1.1885	0.7311	1.7949	0.9811	2.3940
0.2312	0.5747	0.4812	1.1887	0.7312	1.7952	0.9812	2.3943
0.2313	0.5749	0.4813	1.1889	0.7313	1.7954	0.9813	2.3945
0.2314	0.5752	0.4814	1.1892	0.7314	1.7957	0.9814	2.3947
0.2315	0.5754	0.4815	1.1894	0.7315	1.7959	0.9815	2.3950
0.2316	0.5757	0.4816	1.1897	0.7316	1.7961	0.9816	2.3952
0.2317	0.5759	0.4817	1.1899	0.7317	1.7964	0.9817	2.3955
0.2318	0.5762	0.4818	1.1902	0.7318	1.7966	0.9818	2.3957
0.2319	0.5764	0.4819	1.1904	0.7319	1.7969	0.9819	2.3959
0.2320	0.5767	0.4820	1.1907	0.7320	1.7971	0.9820	2.3962
0.2321	0.5769	0.4821	1.1909	0.7321	1.7974	0.9821	2.3964
0.2322	0.5771	0.4822	1.1911	0.7322	1.7976	0.9822	2.3967
0.2323	0.5774	0.4823	1.1914	0.7323	1.7978	0.9823	2.3969
0.2324	0.5776	0.4824	1.1916	0.7324	1.7981	0.9824	2.3971
0.2325	0.5779	0.4825	1.1919	0.7325	1.7983	0.9825	2.3974
0.2326	0.5781	0.4826	1.1921	0.7326	1.7986	0.9826	2.3976
0.2327	0.5784	0.4827	1.1924	0.7327	1.7988	0.9827	2.3978
0.2328	0.5786	0.4828	1.1926	0.7328	1.7990	0.9828	2.3981
0.2329	0.5789	0.4829	1.1928	0.7329	1.7993	0.9829	2.3983
0.2330	0.5791	0.4830	1.1931	0.7330	1.7995	0.9830	2.3986
0.2331	0.5794	0.4831	1.1933	0.7331	1.7998	0.9831	2.3988
0.2332	0.5796	0.4832	1.1936	0.7332	1.8000	0.9832	2.3991
0.2333	0.5799	0.4833	1.1938	0.7333	1.8002	0.9833	2.3993
0.2334	0.5801	0.4834	1.1941	0.7334	1.8005	0.9834	2.3995
0.2335	0.5804	0.4835	1.1943	0.7335	1.8007	0.9835	2.3997
0.2336	0.5806	0.4836	1.1946	0.7336	1.8010	0.9836	2.4000
0.2337	0.5809	0.4837	1.1948	0.7337	1.8012	0.9837	2.4002
0.2338	0.5811	0.4838	1.1950	0.7338	1.8015	0.9838	2.4005
0.2339	0.5814	0.4839	1.1953	0.7339	1.8017	0.9839	2.4007
0.2340	0.5816	0.4840	1.1955	0.7340	1.8019	0.9840	2.4009
0.2341	0.5818	0.4841	1.1958	0.7341	1.8022	0.9841	2.4012
0.2342	0.5821	0.4842	1.1960	0.7342	1.8024	0.9842	2.4014
0.2343	0.5823	0.4843	1.1963	0.7343	1.8027	0.9843	2.4017
0.2344	0.5826	0.4844	1.1965	0.7344	1.8029	0.9844	2.4019
0.2345	0.5828	0.4845	1.1968	0.7345	1.8031	0.9845	2.4021
0.2346	0.5831	0.4846	1.1970	0.7346	1.8034	0.9846	2.4024
0.2347	0.5833	0.4847	1.1972	0.7347	1.8036	0.9847	2.4026
0.2348	0.5836	0.4848	1.1975	0.7348	1.8039	0.9848	2.4028
0.2349	0.5838	0.4849	1.1977	0.7349	1.8041	0.9849	2.4031
0.2350	0.5841	0.4850	1.1980	0.7350	1.8043	0.9850	2.4033
0.2351	0.5843	0.4851	1.1982	0.7351	1.8046	0.9851	2.4036
0.2352	0.5846	0.4852	1.1985	0.7352	1.8048	0.9852	2.4038
0.2353	0.5848	0.4853	1.1987	0.7353	1.8051	0.9853	2.4040
0.2354	0.5851	0.4854	1.1990	0.7354	1.8053	0.9854	2.4043
0.2355	0.5853	0.4855	1.1992	0.7355	1.8056	0.9855	2.4045
0.2356	0.5856	0.4856	1.1994	0.7356	1.8058	0.9856	2.4047
0.2357	0.5858	0.4857	1.1997	0.7357	1.8060	0.9857	2.4050
0.2358	0.5860	0.4858	1.1999	0.7358	1.8063	0.9858	2.4052
0.2359	0.5863	0.4859	1.2002	0.7359	1.8065	0.9859	2.4055
0.2360	0.5865	0.4860	1.2004	0.7360	1.8068	0.9860	2.4057

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.2361	0.5868	0.4861	1.2007	0.7361	1.8070	0.9861	2.4059
0.2362	0.5870	0.4862	1.2009	0.7362	1.8072	0.9862	2.4062
0.2363	0.5873	0.4863	1.2011	0.7363	1.8075	0.9863	2.4064
0.2364	0.5875	0.4864	1.2014	0.7364	1.8077	0.9864	2.4067
0.2365	0.5878	0.4865	1.2016	0.7365	1.8080	0.9865	2.4069
0.2366	0.5880	0.4866	1.2019	0.7366	1.8082	0.9866	2.4071
0.2367	0.5883	0.4867	1.2021	0.7367	1.8084	0.9867	2.4074
0.2368	0.5885	0.4868	1.2024	0.7368	1.8087	0.9868	2.4076
0.2369	0.5888	0.4869	1.2026	0.7369	1.8089	0.9869	2.4078
0.2370	0.5890	0.4870	1.2029	0.7370	1.8092	0.9870	2.4081
0.2371	0.5893	0.4871	1.2031	0.7371	1.8094	0.9871	2.4083
0.2372	0.5895	0.4872	1.2033	0.7372	1.8096	0.9872	2.4086
0.2373	0.5898	0.4873	1.2036	0.7373	1.8099	0.9873	2.4088
0.2374	0.5900	0.4874	1.2038	0.7374	1.8101	0.9874	2.4090
0.2375	0.5902	0.4875	1.2041	0.7375	1.8104	0.9875	2.4093
0.2376	0.5905	0.4876	1.2043	0.7376	1.8106	0.9876	2.4095
0.2377	0.5907	0.4877	1.2046	0.7377	1.8109	0.9877	2.4097
0.2378	0.5910	0.4878	1.2048	0.7378	1.8111	0.9878	2.4100
0.2379	0.5912	0.4879	1.2051	0.7379	1.8113	0.9879	2.4102
0.2380	0.5915	0.4880	1.2053	0.7380	1.8116	0.9880	2.4105
0.2381	0.5917	0.4881	1.2055	0.7381	1.8118	0.9881	2.4107
0.2382	0.5920	0.4882	1.2058	0.7382	1.8121	0.9882	2.4109
0.2383	0.5922	0.4883	1.2060	0.7383	1.8123	0.9883	2.4112
0.2384	0.5925	0.4884	1.2063	0.7384	1.8125	0.9884	2.4114
0.2385	0.5927	0.4885	1.2065	0.7385	1.8128	0.9885	2.4117
0.2386	0.5930	0.4886	1.2068	0.7386	1.8130	0.9886	2.4119
0.2387	0.5932	0.4887	1.2070	0.7387	1.8133	0.9887	2.4121
0.2388	0.5935	0.4888	1.2072	0.7388	1.8135	0.9888	2.4124
0.2389	0.5937	0.4889	1.2075	0.7389	1.8137	0.9889	2.4126
0.2390	0.5940	0.4890	1.2077	0.7390	1.8140	0.9890	2.4128
0.2391	0.5942	0.4891	1.2080	0.7391	1.8142	0.9891	2.4131
0.2392	0.5944	0.4892	1.2082	0.7392	1.8145	0.9892	2.4133
0.2393	0.5947	0.4893	1.2085	0.7393	1.8147	0.9893	2.4136
0.2394	0.5949	0.4894	1.2087	0.7394	1.8150	0.9894	2.4138
0.2395	0.5952	0.4895	1.2090	0.7395	1.8152	0.9895	2.4140
0.2396	0.5954	0.4896	1.2092	0.7396	1.8154	0.9896	2.4143
0.2397	0.5957	0.4897	1.2094	0.7397	1.8157	0.9897	2.4145
0.2398	0.5959	0.4898	1.2097	0.7398	1.8159	0.9898	2.4147
0.2399	0.5962	0.4899	1.2099	0.7399	1.8162	0.9899	2.4150
0.2400	0.5964	0.4900	1.2102	0.7400	1.8164	0.9900	2.4152
0.2401	0.5967	0.4901	1.2104	0.7401	1.8166	0.9901	2.4155
0.2402	0.5969	0.4902	1.2107	0.7402	1.8169	0.9902	2.4157
0.2403	0.5972	0.4903	1.2109	0.7403	1.8171	0.9903	2.4159
0.2404	0.5974	0.4904	1.2112	0.7404	1.8174	0.9904	2.4162
0.2405	0.5977	0.4905	1.2114	0.7405	1.8176	0.9905	2.4164
0.2406	0.5979	0.4906	1.2116	0.7406	1.8178	0.9906	2.4167
0.2407	0.5982	0.4907	1.2119	0.7407	1.8181	0.9907	2.4169
0.2408	0.5984	0.4908	1.2121	0.7408	1.8183	0.9908	2.4171
0.2409	0.5986	0.4909	1.2124	0.7409	1.8186	0.9909	2.4174
0.2410	0.5989	0.4910	1.2126	0.7410	1.8188	0.9910	2.4176
0.2411	0.5991	0.4911	1.2129	0.7411	1.8190	0.9911	2.4178
0.2412	0.5994	0.4912	1.2131	0.7412	1.8193	0.9912	2.4181
0.2413	0.5996	0.4913	1.2133	0.7413	1.8195	0.9913	2.4183
0.2414	0.5999	0.4914	1.2136	0.7414	1.8198	0.9914	2.4186
0.2415	0.6001	0.4915	1.2138	0.7415	1.8200	0.9915	2.4188
0.2416	0.6004	0.4916	1.2141	0.7416	1.8203	0.9916	2.4190
0.2417	0.6006	0.4917	1.2143	0.7417	1.8205	0.9917	2.4193
0.2418	0.6009	0.4918	1.2146	0.7418	1.8207	0.9918	2.4195
0.2419	0.6011	0.4919	1.2148	0.7419	1.8210	0.9919	2.4197



RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ	RDC.	ATOMZ
0.2420	0.6014	0.4920	1.2151	0.7420	1.8212	0.9920	2.4200
0.2421	0.6016	0.4921	1.2153	0.7421	1.8215	0.9921	2.4202
0.2422	0.6019	0.4922	1.2155	0.7422	1.8217	0.9922	2.4205
0.2423	0.6021	0.4923	1.2158	0.7423	1.8219	0.9923	2.4207
0.2424	0.6023	0.4924	1.2162	0.7424	1.8222	0.9924	2.4209
0.2425	0.6026	0.4925	1.2163	0.7425	1.8224	0.9925	2.4212
0.2426	0.6028	0.4926	1.2165	0.7426	1.8227	0.9926	2.4214
0.2427	0.6031	0.4927	1.2168	0.7427	1.8229	0.9927	2.4217
0.2428	0.6033	0.4928	1.2170	0.7428	1.8231	0.9928	2.4219
0.2429	0.6036	0.4929	1.2173	0.7429	1.8234	0.9929	2.4221
0.2430	0.6038	0.4930	1.2175	0.7430	1.8236	0.9930	2.4224
0.2431	0.6041	0.4931	1.2177	0.7431	1.8239	0.9931	2.4226
0.2432	0.6043	0.4932	1.2180	0.7432	1.8241	0.9932	2.4228
0.2433	0.6046	0.4933	1.2182	0.7433	1.8243	0.9933	2.4231
0.2434	0.6048	0.4934	1.2185	0.7434	1.8246	0.9934	2.4233
0.2435	0.6051	0.4935	1.2187	0.7435	1.8248	0.9935	2.4236
0.2436	0.6053	0.4936	1.2190	0.7436	1.8251	0.9936	2.4238
0.2437	0.6056	0.4937	1.2192	0.7437	1.8253	0.9937	2.4240
0.2438	0.6058	0.4938	1.2194	0.7438	1.8256	0.9938	2.4243
0.2439	0.6061	0.4939	1.2197	0.7439	1.8258	0.9939	2.4245
0.2440	0.6063	0.4940	1.2199	0.7440	1.8260	0.9940	2.4247
0.2441	0.6065	0.4941	1.2202	0.7441	1.8263	0.9941	2.4250
0.2442	0.6068	0.4942	1.2204	0.7442	1.8265	0.9942	2.4252
0.2443	0.6070	0.4943	1.2207	0.7443	1.8268	0.9943	2.4255
0.2444	0.6073	0.4944	1.2209	0.7444	1.8270	0.9944	2.4257
0.2445	0.6075	0.4945	1.2212	0.7445	1.8272	0.9945	2.4259
0.2446	0.6078	0.4946	1.2214	0.7446	1.8275	0.9946	2.4262
0.2447	0.6080	0.4947	1.2216	0.7447	1.8277	0.9947	2.4264
0.2448	0.6083	0.4948	1.2219	0.7448	1.8280	0.9948	2.4266
0.2449	0.6085	0.4949	1.2221	0.7449	1.8282	0.9949	2.4269
0.2450	0.6088	0.4950	1.2224	0.7450	1.8284	0.9950	2.4271
0.2451	0.6090	0.4951	1.2226	0.7451	1.8287	0.9951	2.4274
0.2452	0.6093	0.4952	1.2229	0.7452	1.8289	0.9952	2.4276
0.2453	0.6095	0.4953	1.2231	0.7453	1.8292	0.9953	2.4278
0.2454	0.6098	0.4954	1.2233	0.7454	1.8294	0.9954	2.4281
0.2455	0.6100	0.4955	1.2236	0.7455	1.8296	0.9955	2.4283
0.2456	0.6103	0.4956	1.2238	0.7456	1.8299	0.9956	2.4286
0.2457	0.6105	0.4957	1.2241	0.7457	1.8301	0.9957	2.4288
0.2458	0.6107	0.4958	1.2243	0.7458	1.8304	0.9958	2.4290
0.2459	0.6110	0.4959	1.2246	0.7459	1.8306	0.9959	2.4293
0.2460	0.6112	0.4960	1.2248	0.7460	1.8309	0.9960	2.4295
0.2461	0.6115	0.4961	1.2251	0.7461	1.8311	0.9961	2.4297
0.2462	0.6117	0.4962	1.2253	0.7462	1.8313	0.9962	2.4300
0.2463	0.6120	0.4963	1.2255	0.7463	1.8316	0.9963	2.4302
0.2464	0.6122	0.4964	1.2258	0.7464	1.8318	0.9964	2.4305
0.2465	0.6125	0.4965	1.2260	0.7465	1.8321	0.9965	2.4307
0.2466	0.6127	0.4966	1.2263	0.7466	1.8323	0.9966	2.4309
0.2467	0.6130	0.4967	1.2265	0.7467	1.8325	0.9967	2.4312
0.2468	0.6132	0.4968	1.2268	0.7468	1.8328	0.9968	2.4314
0.2469	0.6135	0.4969	1.2270	0.7469	1.8330	0.9969	2.4316
0.2470	0.6137	0.4970	1.2273	0.7470	1.8333	0.9970	2.4319
0.2471	0.6140	0.4971	1.2275	0.7471	1.8335	0.9971	2.4321
0.2472	0.6142	0.4972	1.2277	0.7472	1.8337	0.9972	2.4324
0.2473	0.6145	0.4973	1.2280	0.7473	1.8340	0.9973	2.4326
0.2474	0.6147	0.4974	1.2282	0.7474	1.8342	0.9974	2.4328
0.2475	0.6149	0.4975	1.2285	0.7475	1.8345	0.9975	2.4331
0.2476	0.6152	0.4976	1.2287	0.7476	1.8347	0.9976	2.4333
0.2477	0.6154	0.4977	1.2290	0.7477	1.8349	0.9977	2.4336
0.2478	0.6157	0.4978	1.2292	0.7478	1.8352	0.9978	2.4338

RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ	RDG.	ATOMZ
0.2479	0.6159	0.4979	1.2294	0.7479	1.8354	0.9979	2.4340
0.2480	0.6162	0.4980	1.2297	0.7480	1.8357	0.9980	2.4343
0.2481	0.6164	0.4981	1.2299	0.7481	1.8359	0.9981	2.4345
0.2482	0.6167	0.4982	1.2302	0.7482	1.8362	0.9982	2.4347
0.2483	0.6169	0.4983	1.2304	0.7483	1.8364	0.9983	2.4350
0.2484	0.6172	0.4984	1.2307	0.7484	1.8366	0.9984	2.4352
0.2485	0.6174	0.4985	1.2309	0.7485	1.8369	0.9985	2.4355
0.2486	0.6177	0.4986	1.2312	0.7486	1.8371	0.9986	2.4357
0.2487	0.6179	0.4987	1.2314	0.7487	1.8374	0.9987	2.4359
0.2488	0.6182	0.4988	1.2316	0.7488	1.8376	0.9988	2.4362
0.2489	0.6184	0.4989	1.2319	0.7489	1.8378	0.9989	2.4364
0.2490	0.6186	0.4990	1.2321	0.7490	1.8381	0.9990	2.4366
0.2491	0.6189	0.4991	1.2324	0.7491	1.8383	0.9991	2.4369
0.2492	0.6191	0.4992	1.2326	0.7492	1.8386	0.9992	2.4371
0.2493	0.6194	0.4993	1.2329	0.7493	1.8388	0.9993	2.4374
0.2494	0.6196	0.4994	1.2331	0.7494	1.8390	0.9994	2.4376
0.2495	0.6199	0.4995	1.2333	0.7495	1.8393	0.9995	2.4378
0.2496	0.6201	0.4996	1.2336	0.7496	1.8395	0.9996	2.4381
0.2497	0.6204	0.4997	1.2338	0.7497	1.8398	0.9997	2.4383
0.2498	0.6206	0.4998	1.2341	0.7498	1.8400	0.9998	2.4385
0.2499	0.6209	0.4999	1.2343	0.7499	1.8403	0.9999	2.4388
0.2500	0.6211	0.5000	1.2346	0.7500	1.8405	1.0000	2.4390
0.2701.00	0.64.70						

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